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FEDERAL-STATE-PRIVATE
COOPERATIVE SNOW SURVEYS



WATER SUPPLY OUTLOOK FOR IDAHO

Prepared by
U. S. DEPARTMENT of AGRICULTURE ★ SOIL CONSERVATION SERVICE
Collaborating with
IDAHO STATE DEPARTMENT OF WATER ADMINISTRATION

Data included in this report were obtained by the agencies named above in cooperation with Federal, State and private organizations listed inside the back cover of this report.

AS OF
APR. 1, 1971

TO RECIPIENTS OF WATER SUPPLY OUTLOOK REPORTS:

Most of the usable water in western states originates as mountain snowfall. This snowfall accumulates during the winter and spring, several months before the snow melts and appears as streamflow. Since the runoff from precipitation as snow is delayed, estimates of snowmelt runoff can be made well in advance of its occurrence. Streamflow forecasts published in this report are based principally on measurement of the water equivalent of the mountain snowpack.

Forecasts become more accurate as more of the data affecting runoff are measured. All forecasts assume that climatic factors during the remainder of the snow accumulation and melt season will interact with a resultant average effect on runoff. Early season forecasts are therefore subject to a greater change than those made on later dates.

The snow course measurement is obtained by sampling snow depth and water equivalent at surveyed and marked locations in mountain areas. A total of about ten samples are taken at each location. The average of these are reported as snow depth and water equivalent. These measurements are repeated in the same location near the same dates each year.

Snow surveys are made monthly or semi-monthly from January 1 through June 1 in most states. There are about 1900 snow courses in Western United States and in the Columbia Basin in British Columbia. Networks of automatic snow water equivalent and related data sensing devices, along with radio telemetry are expanding and will provide a continuous record of snow water and other parameters of key locations.

Detailed data on snow course and soil moisture measurements are presented in state and local reports. Other data on reservoir storage, summaries of precipitation, current streamflow, and soil moisture conditions at valley elevations are also included. The report for Western United States presents a broad picture of water supply outlook conditions, including selected streamflow forecasts, summary of snow accumulation to date, and storage in larger reservoirs.

Snow survey and soil moisture data for the period of record are published by the Soil Conservation Service by states about every five years. Data for the current year is summarized in a West-wide basic data summary and published about October 1 of each year.

PUBLISHED BY SOIL CONSERVATION SERVICE

The Soil Conservation Service publishes reports following the principal snow survey dates from January 1 through June 1 in cooperation with state water administrators, agricultural experiment stations and others. Copies of the reports for Western United States and all state reports may be obtained from Soil Conservation Service, Western Regional Technical Service Center, Room 209, 701 N. W. Glisan, Portland, Oregon 97209.

Copies of state and local reports may also be obtained from state offices of the Soil Conservation Service in the following states:

| STATE | ADDRESS |
|--------------------|---|
| Alaska | P. O. Box "F", Palmer, Alaska 99645 |
| Arizona | 6029 Federal Building, Phoenix, Arizona 85025 |
| Colorado (N. Mex.) | 12417 Federal Building, Denver, Colorado 80202 |
| Idaho | Room 345, 304 N. 8th. St., Boise, Idaho 83702 |
| Montana | P. O. Box 970, Bozeman, Montana 59715 |
| Nevada | P. O. Box 4850, Reno Nevada 89505 |
| Oregon | 1218 S. W. Washington St., Portland, Oregon 97205 |
| Utah | 4012 Federal Bldg., 125 South State St., Salt Lake City, Utah 84111 |
| Washington | 360 U.S. Court House, Spokane, Washington 99201 |
| Wyoming | P. O. Box 2440, Casper, Wyoming 82601 |

PUBLISHED BY OTHER AGENCIES

Water Supply Outlook reports prepared by other agencies include a report for California by the Water Supply Forecast and Snow Surveys Unit, California Department of Water Resources, P. O. Box 388, Sacramento, California 95802 --- and for British Columbia by the Department of Lands, Forests and Water Resources, Water Resources Service, Parliament Building, Victoria, British Columbia



WATER SUPPLY OUTLOOK FOR IDAHO

and
FEDERAL - STATE - PRIVATE COOPERATIVE SNOW SURVEYS

Issued by

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WASHINGTON, D. C.

|||||
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BOISE, IDAHO

In Cooperation with

R. KEITH HIGGINSON
DIRECTOR
DEPARTMENT OF WATER ADMINISTRATION

|||||
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WATER SUPPLY OUTLOOK for IDAHO



GENERAL SUMMARY - APRIL 1, 1971

Heavy snowfall during the month of March resulted in many record-breaking snowpacks throughout the state. In some cases, records over fifty years old have been broken on Idaho rivers. These extremely heavy volumes of water pose a hazard on all of the rivers in southern Idaho without storage facilities. The entire state remains unusually sensitive to the sequence of temperature and precipitation that occurs in the next three weeks. A fast snowmelt or warm days accompanied by rain would produce high flows throughout southern Idaho.

Soils beneath the snowpack are saturated and low elevation snow will cause the rivers to rise fast when the major snowmelt begins. Precipitation at valley elevations was also above normal during March which saturated soils on the various rivers from high elevations all the way down into the valleys.

Volume forecasts of streamflow for the April through September period were increased from 3% to over 25% as a result of the heavy storms during the month. Forecasts of streamflow now vary from 105% of normal on the Spokane River to 183% on the Inflow to Magic Reservoir above Shoshone, Idaho.

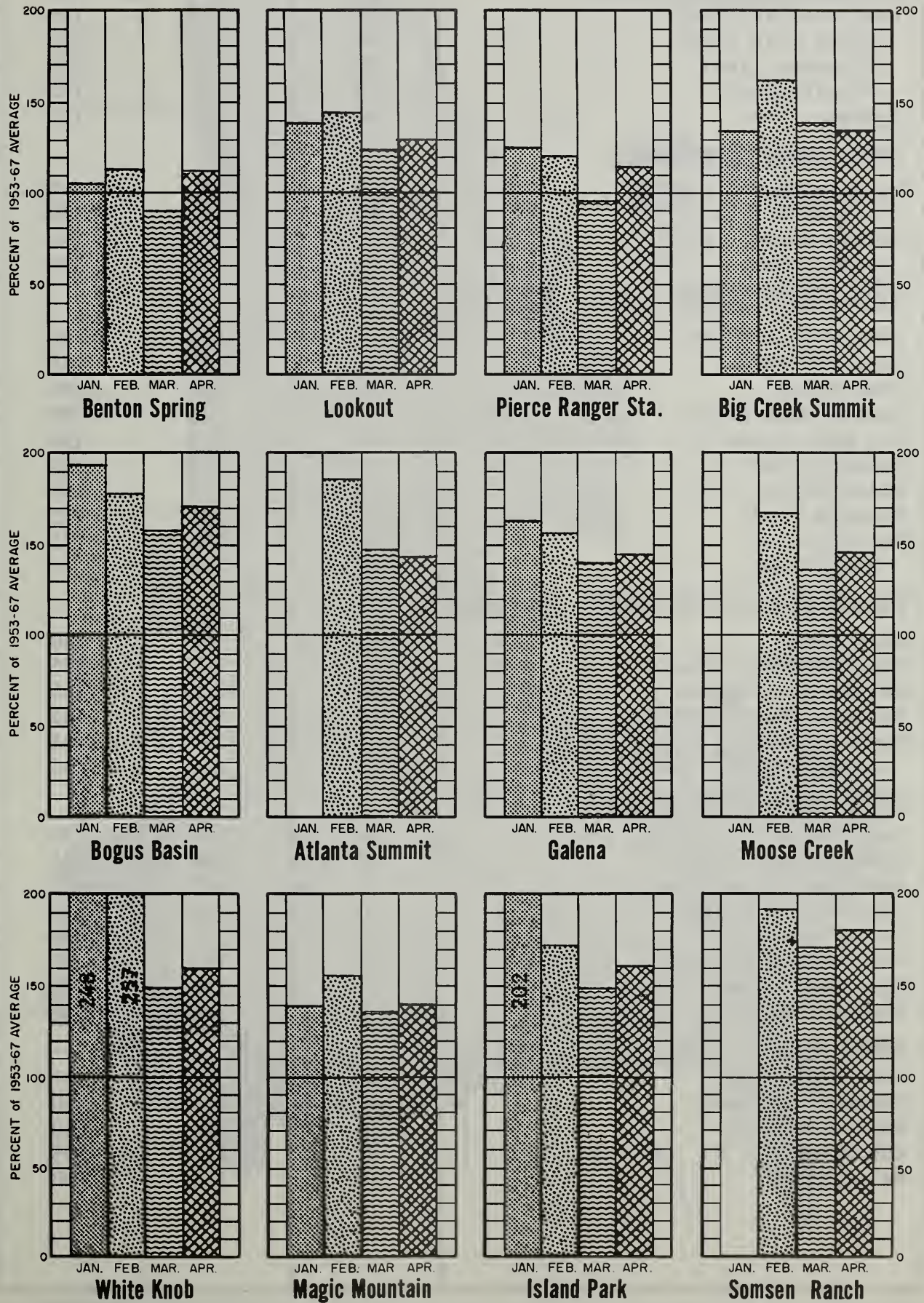
Reservoir carryover storage is excellent throughout the entire state. In many cases, stored water has been released to make room for the heavy flows expected later.

Soil moisture conditions at the valley and foothill elevations are the highest experienced which will mean excellent forage production for 1971. For the first time in many years, small desert reservoirs are filled to capacity.

Those farm and ranch operators or property owners having equipment or livestock on the flood plains should take special precautions for their protection once the rivers begin to rise.

SNOW WATER DEPTHS ACCUMULATION
For Selected Snow Courses
 As Compared To 1953-67 15 Yr. Average

APRIL 1, 1971



COMPARISON of SNOW COVER

| RIVER BASIN WATERSHED | NO.OF COURSES AVERAGED | THIS YEARS SNOW WATER EXPRESSED AS PERCENT OF : | |
|---|---------------------------|--|-----------------|
| | | LAST YEAR | 1953-57 AVERAGE |
| <u>UPPER COLUMBIA RIVER BASIN</u> | | | |
| Kootenai River | 18 | 150 | 125 |
| Pend Oreille River | 77 | 125 | 125 |
| Clark Fork River | 26 | 120 | 125 |
| Flathead River | 28 | 125 | 130 |
| Priest River | 3-5 | 125 | 110 |
| Spokane River | 14 | 135 | 125 |
| <u>LOWER SNAKE RIVER BASIN</u> | | | |
| Palouse River | 5 | 120 | 90 |
| Clearwater River | 21 | 130 | 120 |
| Salmon River | 19 | 140 | 140 |
| Lemhi River | 4 | 130 | 130 |
| <u>MIDDLE SNAKE RIVER BASIN - Northside</u> | | | |
| Little Lost River | 5 | 135 | 130 |
| Big Lost River | 7 | 170 | 155 |
| Fish Creek | 2-3 | 200 | 195 |
| Little Wood River | 4-5 | 170 | 170 |
| Big Wood River | 9 | 155 | 150 |
| Canyon Creek | 1-5 | 115 | 140 |
| Boise River | 15 | 145 | 155 |
| Payette River | 14-20 | 135 | 155 |
| Weiser River | 2-4 | 130 | 155 |
| Mann Creek | 4 | 140 | -- |
| <u>MIDDLE SNAKE RIVER BASIN - Southside</u> | | | |
| Raft River | 6 | 95 | 140 |
| Goose-Trapper Creeks | 2-3 | 100 | 125 |
| Salmon Falls Creek | 10 | 125 | 145 |
| Bruneau River | 5 | 120 | 145 |
| Owyhee River | 5 | 80 | 85 |
| Jordan Creek | 4 | 115 | 135 |
| <u>UPPER SNAKE RIVER BASIN</u> | | | |
| Upper Snake - Wyoming | 16 | -- | 150 |
| Camas-Beaver Creeks | 3 | 150 | 185 |
| Medicine Lodge Creek | 2 | 165 | 210 |
| Henrys Fork River | 10 | 140 | 145 |
| Teton River | 2-3 | 115 | 130 |
| Willow-Sand Creeks | 5 | 125 | -- |
| Blackfoot River | 4 | 140 | 170 |
| Portneuf River | 3 | 140 | 160 |
| <u>GREAT BASIN</u> | | | |
| Bear River | 15 | 138 | 137 |
| Montpelier Creek | 4 | 165 | 150 |
| Mink Creek | 5 | 165 | 160 |
| Cub River | 3 | 155 | 155 |
| Malad River | 2-6 | 160 | 190 |

SNOW WATER DEPTHS




As percent of 1953-67 15 year average

APRIL 1, 1971

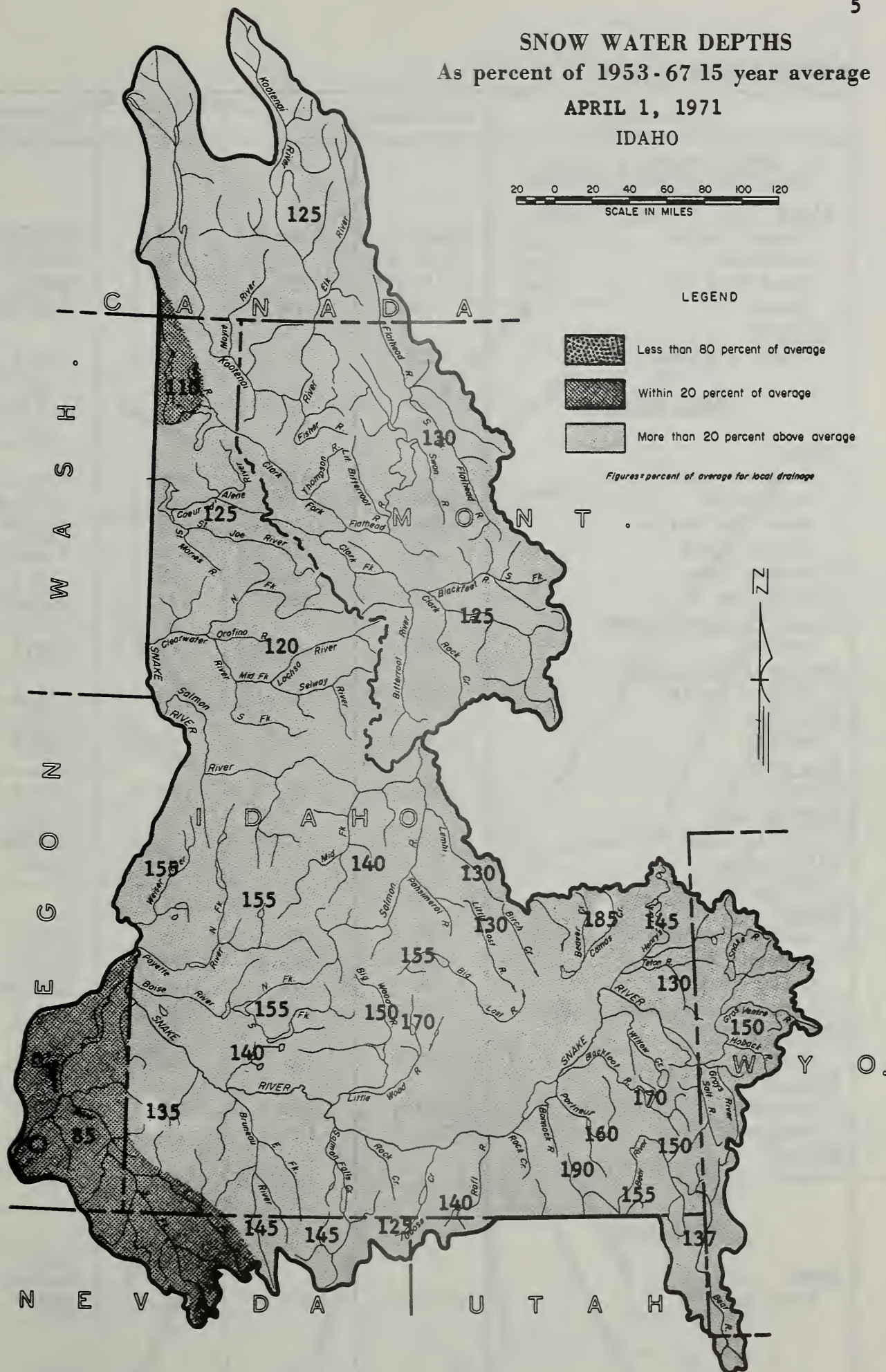
IDAHO

20 0 20 40 60 80 100 120
SCALE IN MILES

LEGEND

-  Less than 80 percent of average
-  Within 20 percent of average
-  More than 20 percent above average

Figures=percent of average for local drainage



RESERVOIR STORAGE (1,000 Ac. Ft.)

| RESERVOIR | USABLE CAPACITY | MEASURED (First of Month) | | |
|----------------------------------|-----------------|---------------------------|-----------|-----------------|
| | | THIS YEAR | LAST YEAR | 1953-57 AVERAGE |
| <u>UPPER COLUMBIA BASIN</u> | | | | |
| <u>Clark Fork - Pend Oreille</u> | | | | |
| Hungry Horse | 3428.0 | 1980.0 | 1993.0 | 2077.0* |
| Flathead | 1791.0 | 732.0 | 726.5 | 746.7 |
| Pend Oreille | 1155.1 | 386.1 | 531.6 | 423.7 |
| Noxon | 334.6 | 206.0 | 183.5 | 188.0* |
| <u>Spokane</u> | | | | |
| Coeur d'Alene | 225.1 | 137.9 | 147.2 | 154.6 |
| <u>SNAKE BASIN</u> | | | | |
| <u>Snake</u> | | | | |
| Jackson Lake | 847.0 | 611.2 | 629.9 | 430.7 |
| Palisades | 1200.0 | 610.3 | 988.6 | 728.6* |
| American Falls | 1700.0 | 1675.3 | 1710.0 | 1601.9 |
| Island Park | 127.0 | 130.2 | 133.0 | 123.0 |
| Grassy Lake | 15.2 | 12.5 | 9.0 | 11.1 |
| Brownlee | 980.2 | 229.1 | 472.5 | 361.6* |
| <u>Goose-Trapper Creeks</u> | | | | |
| Oakley | 74.4 | 40.4 | 22.0 | 20.4 |
| <u>Salmon Falls Creek</u> | | | | |
| Salmon Falls | 182.6 | 66.1 | 40.3 | 33.4 |
| <u>Big Lost</u> | | | | |
| Mackay | 44.2 | 41.6 | 37.2 | 32.8 |
| <u>Big Wood</u> | | | | |
| Magic | 191.5 | 98.7 | 160.0 | 119.5 |
| <u>Little Wood</u> | | | | |
| Little Wood | 30.0 | 7.1 | 25.4 | 15.4* |
| <u>Fish Creek</u> | | | | |
| Carey Valley | 13.0 | 11.2 | 11.3 | -- |
| <u>Boise</u> | | | | |
| Anderson Ranch | 423.2 | 203.3 | 263.8 | 211.7 |
| Arrowrock | 286.6 | 195.0 | 278.3 | 236.0 |
| Lucky Peak | 278.2 | 38.1 | 108.7 | 123.5* |
| Lake Lowell (Deer Flat) | 169.0 | 125.9 | 136.2 | 147.1 |
| <u>Owyhee</u> | | | | |
| Owyhee | 715.0 | 698.3 | 697.0 | 476.8 |
| <u>Payette</u> | | | | |
| Cascade | 653.2 | 265.9 | 300.4 | 271.5 |
| Deadwood | 161.9 | 106.2 | 88.8 | 79.4 |
| <u>Weiser</u> | | | | |
| Mann Creek | 11.1 | 10.2 | 10.2 | -- |
| <u>GREAT BASIN</u> | | | | |
| <u>Bear</u> | | | | |
| Bear Lake | 1421.0 | 1091.0 | 1139.8 | 893.7 |

RESERVOIR STORAGE

USABLE CONTENTS (1,000 Acre Feet)

APRIL 1, 1971

50 0 50 100 150
SCALE IN MILES

Contents
RESERVOIR
Capacity

386.1
PEND OREILLE
1155.1

137.9
COEUR D'ALENE
225.1

106.2
DEADWOOD
161.9

265.9
CASCADE
653.2

229.1
BROWNLEE
980.2

698.3
OWYHEE
715.0

125.9
LAKE LOWELL
169.0

38.1
LUCKY PEAK
278.2

195.0
ARROWROCK
286.6

203.3
ANDERSON RANCH
423.2

206.0
NOXON
334.6

1980.0
HUNGRY HORSE
3428.0

732.0
FLATHEAD LAKE
1791.0

41.6
MACKAY
44.2

130.2
ISLAND PARK
127.0

12.5
GRASSY LAKE
15.2

611.2
JACKSON LAKE
847.0

610.3
PALISADES
1200.0

1675.3
AMERICAN FALLS
1700.0

1091.0
BEAR LAKE
1421.0

7.1
LITTLE WOOD
30.0

66.1
SALMON FALLS
182.6

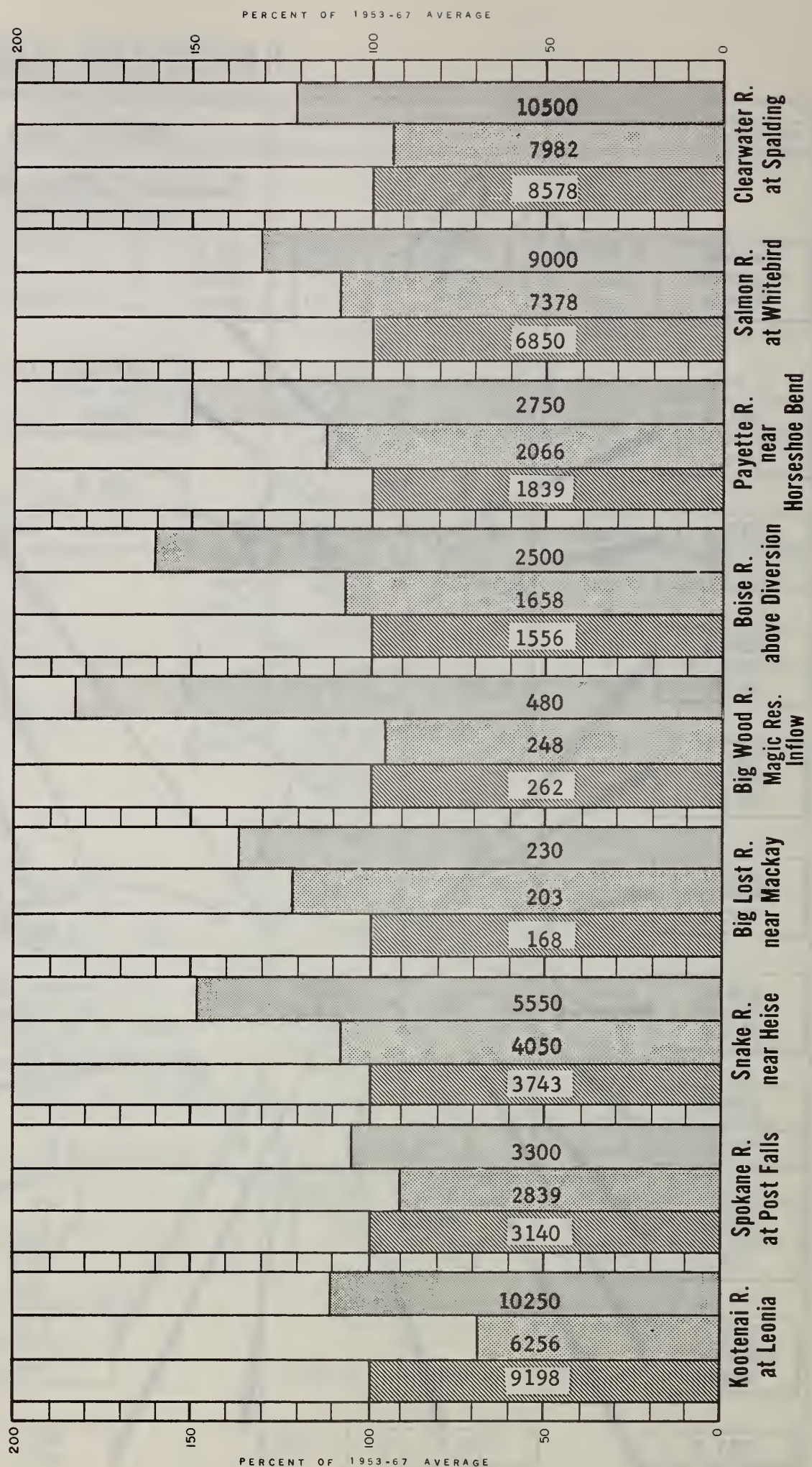
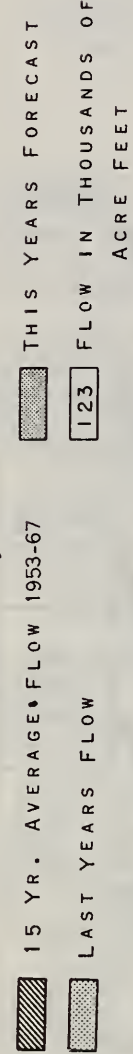
40.4
OAKLEY
74.4

98.7
MAGIC
191.5



STREAMFLOW FORECASTS (April through September period)
Based on Snow Surveys made on approximately

APRIL 1, 1971



PROSPECTIVE STREAMFLOW




Based on Snow Surveys made on approximately

APRIL 1, 1971

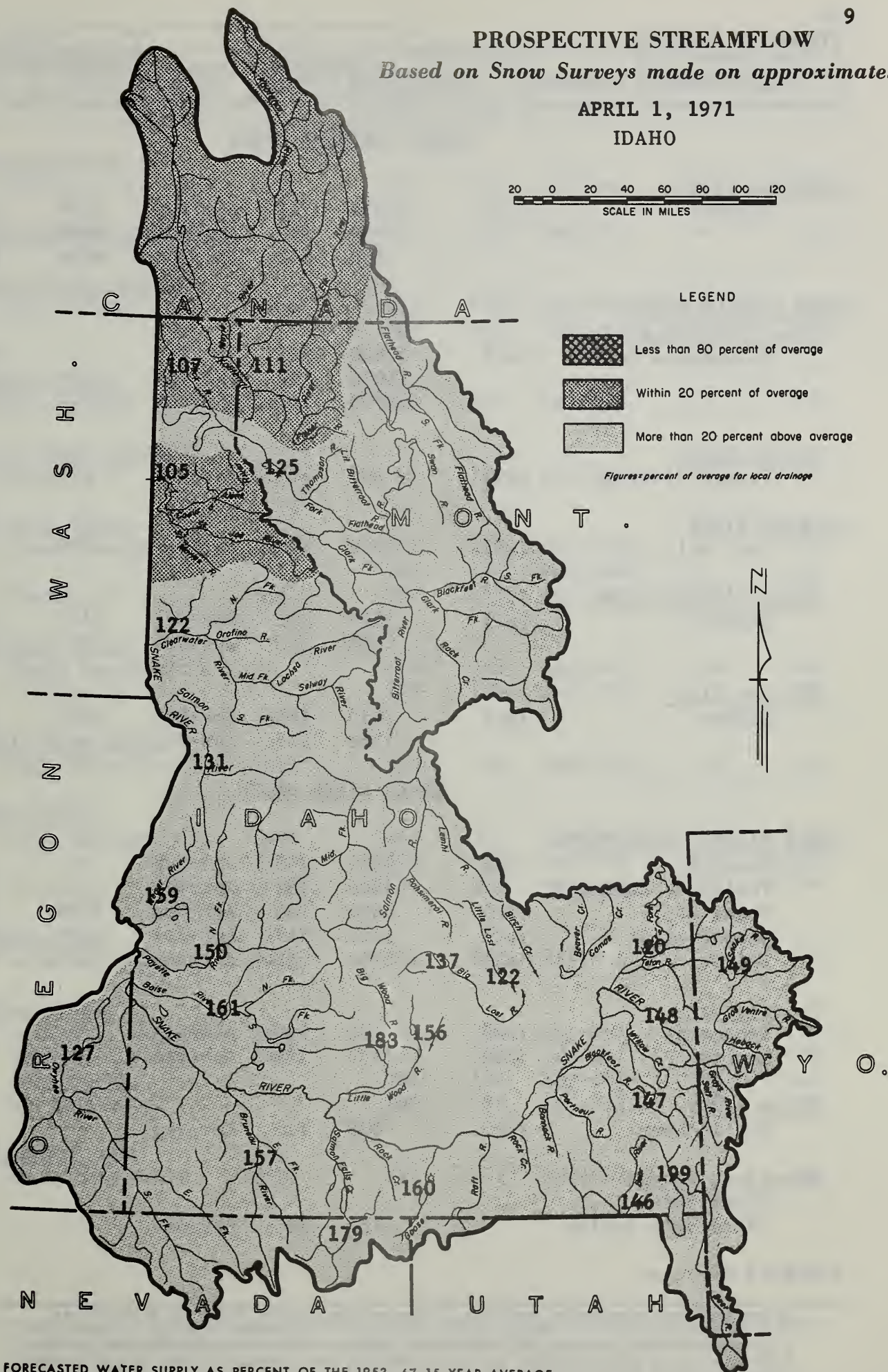
IDAHO

20 0 20 40 60 80 100 120
SCALE IN MILES

LEGEND

-  Less than 80 percent of average
-  Within 20 percent of average
-  More than 20 percent above average

Figures = percent of average for local drainage



FORECASTED WATER SUPPLY AS PERCENT OF THE 1953-67 15 YEAR AVERAGE

STREAMFLOW FORECASTS

| BASIN, STREAM and/or FORECAST POINT | THIS YEAR | | | PAST RECORD | |
|-------------------------------------|--------------------|--------------------|-----------------|--------------------|-----------|
| | FORECAST | | FORECAST PERIOD | THOUSAND ACRE FEET | |
| | Thousand Acre Feet | Percent of Average | | Last Year | Average † |

UPPER COLUMBIA BASINKOOTENAI RIVER

| | | | | | | |
|--------|------|-------|-----|---------|------|------|
| Leonla | (at) | 10250 | 111 | Apr-Sep | 6256 | 9198 |
| | | 9080 | 112 | Apr-Jul | 5409 | 8072 |
| | | 7250 | 112 | Apr-Jun | 4494 | 6463 |

PEND OREILLE RIVERClark Fork River

| | | | | | | |
|-------------------|------|-------|-----|---------|----|-------|
| Whitehorse Rapids | (at) | 17400 | 125 | Apr-Sep | -- | 13987 |
| | | 16000 | 125 | Apr-Jul | -- | 12787 |
| | | 13700 | 125 | Apr-Jun | -- | 10953 |

Priest River

| | | | | | | |
|-----------------|------|-----|-----|---------|-----|-----|
| Priest River 1/ | (at) | 980 | 107 | Apr-Jul | 679 | 914 |
|-----------------|------|-----|-----|---------|-----|-----|

SPOKANE RIVER

| | | | | | | |
|---------------|------|------|-----|---------|------|------|
| Post Falls 2/ | (at) | 3300 | 105 | Apr-Sep | 2839 | 3140 |
|---------------|------|------|-----|---------|------|------|

Coeur d'Alene River

| | | | | | | |
|---------|------|------|-----|---------|------|------|
| Cataldo | (nr) | 1320 | 105 | Apr-Sep | 1137 | 1259 |
| | | 1260 | 105 | Apr-Jul | -- | 1201 |

St. Joe River

| | | | | | | |
|--------|------|------|-----|---------|------|------|
| Calder | (at) | 1430 | 105 | Apr-Sep | 1254 | 1359 |
| | | 1350 | 105 | Apr-Jul | -- | 1291 |

SNAKE RIVER BASINSNAKE RIVER - MAIN STEM

| | | | | | | |
|---------------------|------|------|-----|---------|------|------|
| Moran 3/ | (at) | 1265 | 149 | Apr-Sep | -- | 846 |
| Palisades Inflow 3/ | | 5400 | 154 | Apr-Sep | -- | 3500 |
| Heise 4/ | (nr) | 5550 | 148 | Apr-Sep | 4050 | 3743 |
| Blackfoot 5/ | (nr) | 5700 | 147 | Apr-Jul | -- | 3871 |
| Weiser | (at) | 8700 | 138 | Apr-Sep | 7172 | 6306 |

Henrys Fork

| | | | | | | |
|------------|------|------|-----|---------|----|------|
| Ashton 6/ | (nr) | 730 | 120 | Apr-Sep | -- | 609 |
| Rexburg 7/ | (nr) | 1475 | 120 | Apr-Sep | -- | 1229 |

Teton River

| | | | | | | |
|-------------|------|-----|-----|---------|----|-----|
| St. Anthony | (nr) | 500 | 127 | Apr-Sep | -- | 394 |
|-------------|------|-----|-----|---------|----|-----|

Blackfoot River

| | | | | | | |
|----------------------------|--|-----|-----|---------|----|------|
| Blackfoot Reservoir Inflow | | 150 | 147 | Apr-Sep | -- | 102* |
|----------------------------|--|-----|-----|---------|----|------|

*1948-62 Average

(c) Assuming normal meteorological conditions. 1/ Observed flow corrected for storage in Priest Lake. 2/ Observed flow corrected for storage in Coeur d'Alene Lake. 3/ Corrected for storage in Jackson Lake. 4/ Corrected for storage in Jackson Lake and Palisades. 5/ Corrected for storage in Jackson Lake, Palisades, Island Park, Henry's Lake, Grassy Lake and diversions between Heise and Blackfoot. 6/ Corrected for storage in Henry's Lake and Island Park Reservoir. 7/ Corrected for storage in Henry's Lake, Island Park, Grassy Lake and diversions between Ashton and Rexburg.

† 1953-1967 period.

STREAMFLOW FORECASTS

| BASIN, STREAM and/or FORECAST POINT | | THIS YEAR | | | PAST RECORD | |
|-------------------------------------|------|--------------------|--------------------|-----------------|--------------------|-----------|
| | | FORECAST | | FORECAST PERIOD | THOUSAND ACRE FEET | |
| | | Thousand Acre Feet | Percent of Average | | Last Year | Average † |
| <u>Portneuf River</u> | | | | | | |
| Topaz | (at) | 120 | 151 | Mar-Sep | -- | 79.4 |
| <u>Oakley Reservoir Inflow</u> | | 40 | 160 | Mar-Sep | -- | 24.9 |
| <u>Salmon Falls Creek</u> | | | | | | |
| San Jacinto | (nr) | 125 | 179 | Mar-Sep | -- | 69.7 |
| | | 120 | 180 | Mar-Jul | -- | 66.5 |
| <u>Bruneau River</u> | | | | | | |
| Hot Springs | (nr) | 300 | 157 | Mar-Sep | -- | 191 |
| <u>Little Lost River</u> | | | | | | |
| Howe | (nr) | 46 | 122 | Mar-Sep | -- | 37.8 |
| <u>Big Lost River</u> | | | | | | |
| Howell Ranch | (at) | 255 | 130 | Apr-Sep | -- | 196 |
| | | 180 | 132 | Apr-Jun | -- | 137 |
| Mackay 1/ | (nr) | 230 | 137 | Apr-Sep | 203 | 168 |
| <u>Big Wood River</u> | | | | | | |
| Magic Reservoir | | 480 | 183 | Apr-Sep | 248 | 262 |
| Inflow 2/ | | 490 | 183 | Mar-Jul | -- | 268 |
| <u>Little Wood River</u> | | | | | | |
| High Five Creek | (ab) | 125 | 156 | Apr-Sep | 77 | 80 |
| <u>Boise River</u> | | | | | | |
| Twin Springs | (nr) | 1150 | 160 | Apr-Sep | 783 | 718 |
| | | 1065 | 160 | Apr-Jul | 724 | 666 |
| Boise 3/ | (nr) | 2500 | 161 | Apr-Sep | 1658 | 1556 |
| <u>South Fork</u> | | | | | | |
| Anderson Dam 4/ | (at) | 940 | 163 | Apr-Sep | -- | 577 |
| <u>Owyhee River</u> | | | | | | |
| Gold Cr., Nev. 5/ | (nr) | 25 | 156 | Apr-Jul | -- | 16.1 |
| Owyhee, Nev. 5/ | (nr) | 91 | 151 | Apr-Jul | 87 | 60 |
| Lake Owyhee | | 380 | 127 | Apr-Sep | 306 | 300 |
| net inflow 6/ | | 360 | 128 | Apr-Jul | 283 | 281 |
| <u>Jordan Creek</u> | | | | | | |
| Lone Tree Creek | (ab) | 125 | 147 | Apr-Jul | -- | 85 |

(c) Assuming normal meteorological conditions. 1/ Observed flow corrected for storage in Mackay Reservoir
 2/ Combined flow Big Wood River nr. Bellevue and Camas Creek nr. Blaine. 3/ Corrected for storage in Arrow-
 rock, Anderson Ranch and Lucky Peak. 4/ Corrected for storage in Anderson Ranch Reservoir. 5/ Corrected for
 storage in Wild Horse Reservoir. 6/ From U.S.B.R. records of inflow. † 1953-1967 period.

STREAMFLOW FORECASTS

| STREAMFLOW FORECASTS | | | THIS YEAR | | | PAST RECORD | |
|-------------------------------------|-----------|------|--------------------|--------------------|-----------------|--------------------|-----------|
| | | | FORECAST | | FORECAST PERIOD | THOUSAND ACRE FEET | |
| | | | Thousand Acre Feet | Percent of Average | | Last Year | Average † |
| BASIN, STREAM and/or FORECAST POINT | | | | | | | |
| <u>Payette River</u> | | | | | | | |
| Horseshoe Bend | <u>1/</u> | (nr) | 2750 | 150 | Apr-Sep | 2066 | 1839 |
| Banks | <u>2/</u> | (nr) | 1480 | 150 | Apr-Jul | -- | 984 |
| <u>North Fork</u> | | | | | | | |
| Cascade | <u>3/</u> | (at) | 835 | 151 | Apr-Sep | 640 | 553 |
| Banks | <u>3/</u> | (nr) | 1080 | 150 | Apr-Sep | -- | 718 |
| <u>Weiser River</u> | | | | | | | |
| Weiser ab. Crane Creek | <u>4/</u> | | 800 | 159 | Mar-Sep | -- | 504 |
| <u>Salmon River</u> | | | | | | | |
| Whitebird | | (at) | 9000 | 131 | Apr-Sep | 7378 | 6850 |
| Challis | | (nr) | 1170 | 131 | Apr-Sep | -- | 892 |
| | | | 1020 | 131 | Apr-Jul | -- | 779 |
| <u>Clearwater River</u> | | | | | | | |
| Spalding | | (at) | 10500 | 122 | Apr-Sep | 7982 | 8578 |
| <u>GREAT BASIN</u> | | | | | | | |
| <u>BEAR RIVER</u> | | | | | | | |
| Harer | | (at) | 450 | 199 | Apr-Sep | -- | 226 |
| <u>Montpelier Creek</u> | | | | | | | |
| Montpelier | | (nr) | 16 | 150 | Apr-Sep | -- | 10.7 |
| <u>Cub River</u> | | | | | | | |
| Preston | | (nr) | 70 | 146 | Apr-Sep | -- | 47.8* |

*1956-1967 Average.

(c) Assuming normal meteorological conditions. 1/ Corrected for storage in Cascade and Deadwood Reservoirs. 2/ Corrected for storage in Deadwood Reservoir. 3/ Corrected for storage in Cascade Reservoir. 4/ Observed flow of Weiser River nr. Weiser minus observed flow of Crane Creek at mouth. † 1953-1967 period.

STREAMFLOW FORECASTS

| STREAMFLOW FORECASTS | | THIS YEAR | | | PAST RECORD | |
|-------------------------------------|------|--------------------|--------------------|-----------------|--------------------|-----------|
| BASIN, STREAM and/or FORECAST POINT | | FORECAST | | FORECAST PERIOD | THOUSAND ACRE FEET | |
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| Inflow 2/ | | 490 | 183 | Mar-Jul | -- | 268 |
| <u>Little Wood River</u> | | | | | | |
| High Five Creek | (ab) | 125 | 156 | Apr-Sep | 77 | 80 |
| <u>Boise River</u> | | | | | | |
| Twin Springs | (nr) | 1150 | 160 | Apr-Sep | 783 | 718 |
| | | 1065 | 160 | Apr-Jul | 724 | 666 |
| Boise 3/ | (nr) | 2500 | 161 | Apr-Sep | 1658 | 1556 |
| <u>South Fork</u> | | | | | | |
| Anderson Dam 4/ | (at) | 940 | 163 | Apr-Sep | -- | 577 |
| <u>Owyhee River</u> | | | | | | |
| Gold Cr., Nev. 5/ | (nr) | 25 | 156 | Apr-Jul | -- | 16.1 |
| Owyhee, Nev. 5/ | (nr) | 91 | 151 | Apr-Jul | 87 | 60 |
| Lake Owyhee | | 380 | 127 | Apr-Sep | 306 | 300 |
| net inflow 6/ | | 360 | 128 | Apr-Jul | 283 | 281 |
| <u>Jordan Creek</u> | | | | | | |
| Lone Tree Creek | (ab) | 125 | 147 | Apr-Jul | -- | 85 |

(c) Assuming normal meteorological conditions. 1/ Observed flow corrected for storage in Mackay Reservoir
 2/ Combined flow Big Wood River nr. Bellevue and Camas Creek nr. Blaine. 3/ Corrected for storage in Arrow-
 rock, Anderson Ranch and Lucky Peak. 4/ Corrected for storage in Anderson Ranch Reservoir. 5/ Corrected for
 storage in Wild Horse Reservoir. 6/ From U.S.B.R. records of inflow. † 1953-1967 period.

STREAMFLOW FORECASTS

| STREAMFLOW FORECASTS | | | THIS YEAR | | | PAST RECORD | |
|-------------------------------------|--------------------|--------------------|-----------------|--------------------|-----------|-------------|--|
| BASIN, STREAM and/or FORECAST POINT | FORECAST | | FORECAST PERIOD | THOUSAND ACRE FEET | | | |
| | Thousand Acre Feet | Percent of Average | | Last Year | Average † | | |
| <u>Payette River</u> | | | | | | | |
| Horseshoe Bend <u>1/</u> | (nr) | 2750 | 150 | Apr-Sep | 2066 | 1839 | |
| Banks <u>2/</u> | (nr) | 1480 | 150 | Apr-Jul | -- | 984 | |
| <u>North Fork</u> | | | | | | | |
| Cascade <u>3/</u> | (at) | 835 | 151 | Apr-Sep | 640 | 553 | |
| Banks <u>3/</u> | (nr) | 1080 | 150 | Apr-Sep | -- | 718 | |
| <u>Weiser River</u> | | | | | | | |
| Weiser ab. Crane Creek <u>4/</u> | | 800 | 159 | Mar-Sep | -- | 504 | |
| <u>Salmon River</u> | | | | | | | |
| Whitebird | (at) | 9000 | 131 | Apr-Sep | 7378 | 6850 | |
| Challis | (nr) | 1170 | 131 | Apr-Sep | -- | 892 | |
| | | 1020 | 131 | Apr-Jul | -- | 779 | |
| <u>Clearwater River</u> | | | | | | | |
| Spalding | (at) | 10500 | 122 | Apr-Sep | 7982 | 8578 | |
| <u>GREAT BASIN</u> | | | | | | | |
| <u>BEAR RIVER</u> | | | | | | | |
| Harer | (at) | 450 | 199 | Apr-Sep | -- | 226 | |
| <u>Montpelier Creek</u> | | | | | | | |
| Montpelier | (nr) | 16 | 150 | Apr-Sep | -- | 10.7 | |
| <u>Cub River</u> | | | | | | | |
| Preston | (nr) | 70 | 146 | Apr-Sep | -- | 47.8* | |

*1956-1967 Average.

VALLEY PRECIPITATION 1/

Division Averages and Departures

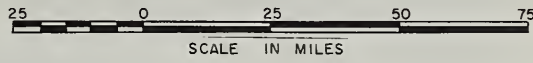
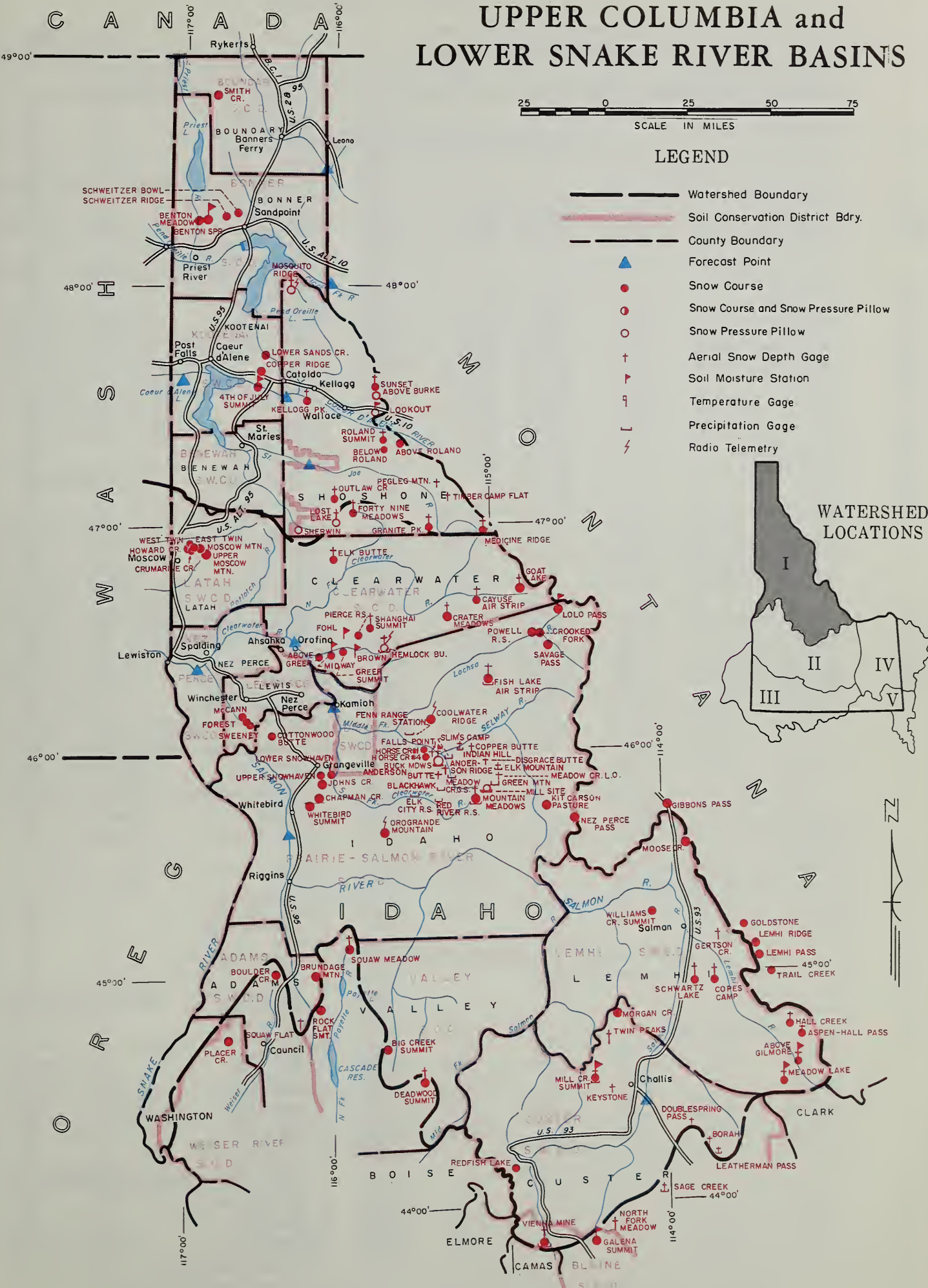
In Inches

| DRAINAGE DIVISIONS | Winter | | Fall - Winter | |
|--------------------------|------------|---------------------|-------------------|---------------------|
| | March 1971 | | Nov. 70 - Mar. 71 | |
| | Observed | Departure <u>2/</u> | Observed | Departure <u>2/</u> |
| Kootenai, Canada & U. S. | 2.39 | +0.48 | 16.13 | +2.01 |
| Flathead | 1.49 | +0.03 | 12.18 | +2.10 |
| Clark Fork | 0.53 | -0.21 | 4.37 | -0.10 |
| Pend Oreille-Spokane | 3.16 | +0.39 | 19.87 | +1.62 |
| Upper Snake | 2.65 | +0.96 | 13.81 | +3.78 |
| Snake River Plain | 0.96 | +0.19 | 6.30 | +1.99 |
| Salmon-Payette-Boise | 2.58 | +0.82 | 16.05 | +4.92 |
| Clearwater | 2.47 | -0.03 | 14.38 | +0.77 |
| Owyhee-Malheur | 1.48 | +0.58 | 7.44 | +2.26 |

1/ Preliminary analysis and data by the National Weather Service and Meterological Service of Canada.

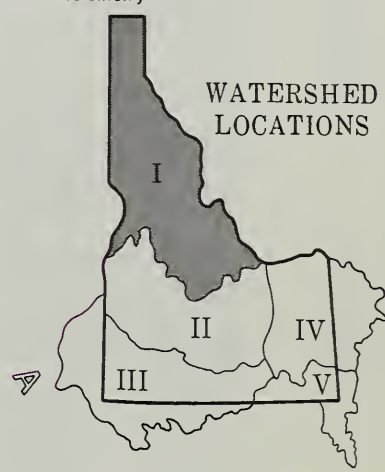
2/ Departure from 15-year (1953-67) drainage division average.

UPPER COLUMBIA and LOWER SNAKE RIVER BASINS



LEGEND

- Watershed Boundary
- Soil Conservation District Bdry.
- County Boundary
- Forecast Point
- Snow Course
- Snow Course and Snow Pressure Pillow
- Snow Pressure Pillow
- Aerial Snow Depth Gage
- Soil Moisture Station
- Temperature Gage
- Precipitation Gage
- Radio Telemetry



INDEX to SNOW COURSES

| NO. | STATE | NAME | SEC. | TWP. | RGE. | ELEV. |
|-----------------------------|-------|------------------|------|------|------|-------|
| | | | LAT. | OR | AND | LONG. |
| UPPER COLUMBIA BASIN | | | | | | |
| KOOTENAI RIVER | | | | | | |
| 16A1 | I | Smith Creek | 29 | 64N | 1W | 4800 |
| PEND ORVILLE - PRIEST RIVER | | | | | | |
| 16A2 | I | Benton Meadow | 27 | 58N | 4W | 2344 |
| 16A3M | I | Benton Spring | 30 | 58N | 3W | 4900 |
| 16A6 | I | Schweitzer Bowl | 20 | 58N | 2W | 4500 |
| 16A5 | I | Schweitzer Ridge | 19 | 58N | 2W | 6100 |

| | | | | | | |
|---------------|---|-----------------------|---------|-----|-----|------|
| SPOKANE RIVER | | | | | | |
| 15B8B | I | Above Burke | 11 | 48N | 5E | 4100 |
| 15B7 | I | Above Roland | 35 | 47N | 6E | 4350 |
| 15B6 | I | Below Roland | 34 | 47N | 6E | 3770 |
| 16B2 | I | Copper Ridge | 6 & 7 | 50N | 1W | 4800 |
| 15B3M | I | Fourth of July Summit | 6 | 49N | 1W | 3100 |
| 15B13A | I | Granite Peak | 3 | 42N | 8E | 6000 |
| 16B5A | I | Kellogg Peak | 19 | 48N | 3E | 5560 |
| 15B2N3 | I | Lookout | 4 | 47N | 6E | 5250 |
| 16B1 | I | Lower Sanda Creek | 32 | 51N | 1W | 3400 |
| 15B4A | I | Medicine Ridge | 24 | 43N | 10E | 6150 |
| 16A4AS | I | Mosquito Ridge | 5 | 54N | 2E | 5110 |
| 15B12A | I | Outlaw Creek | 19 | 44N | 5E | 3750 |
| 15B15A | I | Pegleg Mountain | 15 | 44N | 9E | 5735 |
| 15B5A | I | Roland Summit | 26 | 47N | 6E | 5200 |
| 16C19 | I | Sherwin | 28 & 31 | 42N | 1E | 3200 |
| 15B9A | I | Sunset | 28 | 49N | 5E | 5600 |
| 15B16A | I | Timber Camp Flat | 23 | 44N | 9E | 4300 |

LOWER SNAKE BASIN

| | | | | | | |
|---------------|---|-----------------------|----|-----|----|------|
| PALOUSE RIVER | | | | | | |
| 16C6 | I | Cumarine Creek | 24 | 40N | 5W | 3340 |
| 16C3 | I | East Twin | 13 | 40N | 5W | 4050 |
| 16C5 | I | Howard Creek | 14 | 40N | 5W | 3450 |
| 16C2 | I | Noseow Mountain | 18 | 40N | 4W | 4400 |
| 16C7SR | I | Upper Noseow Mountain | 16 | 40N | 4W | 4600 |
| 16C4P | I | West Twin | 14 | 40N | 5W | 4250 |

LEGEND

Numbering System (example)

| | |
|--------|--|
| 1017 | SNOW COURSE ONLY. |
| 1017P | SNOW COURSE AND PRECIPITATION GAGE. |
| 1017M | SNOW COURSE AND SOIL MOISTURE STATION. |
| 1017A | SNOW COURSE AND AERIAL MARKER. |
| 1017a | PRESSURE PILEW ONLY. |
| 1017s | SNOW COURSE AND PRESSURE PILEW. |
| 1017MA | SNOW COURSE, SOIL MOISTURE STATION AND AERIAL MARKER. |
| 1017MP | SNOW COURSE, SOIL MOISTURE STATION AND PRECIPITATION GAGE. |
| 1017m | SOIL MOISTURE STATION ONLY. |
| 1017a | AERIAL MARKER ONLY. |
| 1017p | STORAGE PRECIPITATION GAGE ONLY. |

| NO. | STATE | NAME | SEC. | TWP. | RGE. | ELEV. |
|------------------|-------|----------------------------|-------|------|------|-------|
| | | | LAT. | OR | AND | LONG. |
| CLEARWATER RIVER | | | | | | |
| 16C11 | I | Above Greer | 14 | 35N | 2E | 1240 |
| 15D7a | I | Anderson Butte | 34 | 30N | 9E | 6800 |
| 15D8a | I | Anderson Ridge | 35 | 30N | 9E | 5400 |
| 15D9p | I | Blackhawk | 31 | 29N | 10E | 6080 |
| 16C14m | I | Brown | 11 | 35N | 3E | 3100 |
| 15D5MAP | I | Buck Meadows | 26 | 31N | 8E | 5600 |
| 15C3A | I | Cayuse Airstrip | 4 | 38N | 11E | 3700 |
| 15C7R | I | Coolwater Mountain | 32 | 33N | 8E | 6200 |
| 15D10a | I | Copper Butte | 35 | 31N | 10E | 6000 |
| 16C16 | I | Cottonwood Butte | 33 | 32N | 1W | 5140 |
| 15C9A | I | Crater Meadows | 2 | 37 | 9E | 6100 |
| 14C10 | I | Crooked Fork | 27 | 37N | 14E | 3800 |
| 15D11a | I | Diagrace Butte | 26 | 30N | 10E | 6600 |
| 16C15A | I | Elk Butte | 6 | 40N | 3E | 5530 |
| 15D12p | I | Elk City Rgr. Sta. | 23 | 29N | 8E | 4000 |
| 15D13ap | I | Elk Mountain | 34 | 30N | 11E | 6900 |
| 15C11a | I | Falls Point | 10 | 31N | 9E | 4600 |
| 15C12p | I | Fenn Ranger Station | 23 | 32N | 7E | 1580 |
| 15C2AP | I | Fish Lake Airstrip | 35 | 35N | 11E | 5000 |
| 15C8m | I | Fohl | 16 | 36N | 5E | 3430 |
| 16C9 | I | Foreat | 1 | 32N | 3W | 4550 |
| 15B3A | I | Forty-nine Meadows | 6 | 43N | 5E | 5000 |
| 14C9A | I | Goat Lake | 4 | 38N | 13E | 6600 |
| 15D14p | I | Green Mountain | 15 | 28N | 11E | 7000 |
| 16C13 | I | Greer Summit | 13 | 35N | 2E | 3000 |
| 15C6APR | I | Hemlock Butte | 7 | 36N | 7E | 5500 |
| 15C8s | M | Hoodoo Basin | 17 | 14N | 27W | 6000 |
| 15C1 | M | Hoodoo Creek | 16 | 14N | 27W | 5900 |
| 15C14 | I | Horse Creek #1 | 25 | 31N | 8E | 5500 |
| 15C15 | I | Horse Creek #4 | 5 | 30N | 9E | 5400 |
| 15D21a | I | Horse Point | 4 | 30N | 9E | 5700 |
| 15D22ap | I | Indian Hill | 30 | 31N | 10E | 6100 |
| 14D1 | I | Kit Carson Pasture | 4 | 27N | 16E | 5020 |
| 14C5M | I | Lolo Pass | 16 | 38N | 15E | 5230 |
| 15B14AS | I | Lost Lake | 16 | 43N | 4E | 6000 |
| 15D15p | I | Lower Horse Creek | 28 | 31N | 9E | 4100 |
| 16D7 | I | Lower Snowhaven | 9 | 29N | 3E | 5250 |
| 16C8 | I | McCann | 25 | 33N | 3W | 4300 |
| 15D16p | I | Meadow Creek Guard Station | 5 | 29N | 10E | 2950 |
| 15D17a | I | Meadow Creek Lookout | 25 | 29N | 11E | 7000 |
| 16C12M | I | Midway | 14 | 35N | 2E | 2200 |
| 15D18ps | I | Mill Site | 22 | 28N | 11E | 6700 |
| 15D6AP | I | Mountain Meadows | 9 | 27N | 10E | 6300 |
| 14D1 | M | Nez Perce Pass | 25 | 1S | 24W | 6575 |
| 15D4R | I | Orogrande Mountain | 24 | 27N | 6E | 7800 |
| 15C5 | I | Pierce Ranger Station | 2 | 36N | 5E | 3120 |
| 14C6 | I | Powell Ranger Station | 33 | 37N | 14E | 4230 |
| 15D19p | I | Red River Ranger Station | 4 | 27N | 9E | 4340 |
| 15D20a | I | Sable Hill | 14 | 29N | 10E | 6000 |
| 14C4 | I | Savage Pass | 18 | 36N | 15E | 6600 |
| 15C4A | I | Shanghai Summit | 7 | 37N | 6E | 4600 |
| 15C13p | I | Slim's Camp | 11 | 31N | 9E | 1850 |
| 16C10 | I | Sweeney | 1 | 32N | 3W | 4435 |
| 16D4 | I | Upper Snowhaven | 8 & 9 | 29N | 3E | 5600 |

SALMON RIVER

| | | | | | | |
|---------|---|-----------------------|---------|-----|-----|-------|
| 13E19MA | I | Above Gilmore | 13 | 13N | 26E | 8200 |
| 13E21A | I | Aspen-Hall Pass | 6 | 16N | 28E | 8110 |
| 15E2 | I | Big Creek Summit | 24 | 15N | 5E | 6600 |
| 13E8a | I | Borah | 21 | 10N | 23E | 8250 |
| 16D6 | I | Brundage Mountain | 6 | 19N | 3E | 7560 |
| 16D2 | I | Chapman Creek | 16 | 29N | 2E | 4215 |
| 13E17A | I | Copes Camp | 36 | 18N | 22E | 7500 |
| 13E25a | I | Doublespring Pass | 3 | 10N | 22E | 8400 |
| 13D17a | I | Gertson Creek | 22 | 22N | 23E | 8050 |
| 13D2 | M | Gibbons Pass | 4 | 2S | 19W | 7100 |
| 13D9 | M | Gold Stone | 11 | 8S | 16W | 8100 |
| 13E20A | I | Hall Creek | 1 | 16N | 27E | 7560 |
| 16D3 | I | Jolms Creek | 9 | 29N | 2E | 3805 |
| 14E6a | I | Keystone | 15 | 13N | 18E | 7700 |
| 13E24ap | I | Leatherman Pass | 20 | 9N | 23E | 9800 |
| 13E1 | M | Lemhi Pass | 9 | 10S | 15W | 7480 |
| 13E23 | M | Lemhi Ridge | 4 | 10S | 15W | 8100 |
| 13E18MA | I | Meadow Lake | 24 | 13N | 26E | 9100 |
| 14E1MAP | I | Mill Creek Summit | 8 | 13N | 17E | 8870 |
| 13D16 | I | Moose Creek | 22 & 26 | 27N | 21E | 6200 |
| 14E4 | I | Morgan Creek | 32 | 18N | 19E | 7580 |
| 14E2 | I | Redfish Lake | 3 | 9N | 13E | 6600 |
| 13E16A | I | Schwartz Lake | 34 | 18N | 22E | 8500 |
| 13E2 | M | Trail Creek | 15 | 10S | 15W | 7090 |
| 14E3a | I | Twin Peaks | 28 | 15N | 17E | 10300 |
| 14F4AP | I | Vienna Mine | 32 | 6N | 14E | 8900 |
| 16D5 | I | Whitebird Summit | 17 | 29N | 2E | 4390 |
| 14D4 | I | Williams Creek Summit | 34 | 21N | 20E | 7800 |

SNOW

| DRAINAGE BASIN and SNOW COURSE | | | CURRENT INFORMATION | | | PAST RECORD | |
|--------------------------------|-----|-----------|---------------------|---------------------|------------------------|------------------------|----------------------|
| | | | DATE OF SURVEY | SNOW DEPTH (Inches) | WATER CONTENT (Inches) | WATER CONTENT (Inches) | |
| NAME | NO. | ELEVATION | | | | LAST YEAR | AVERAGE ^b |

UPPER COLUMBIA RIVER BASINKOOTENAI RIVER

| | | | | | | | |
|-------------|------|------|------|-----|------|------|------|
| Smith Creek | 16A1 | 4800 | 3/30 | 163 | 64.7 | 31.6 | 50.1 |
|-------------|------|------|------|-----|------|------|------|

PEND OREILLE - PRIEST RIVER

| | | | | | | | |
|----------------------|------|------|------|-----|------|------|-------|
| Benton Meadow | 16A2 | 2344 | 4/1 | 16 | 6.5 | 6.2 | 3.2 |
| Benton Spring | 16A3 | 4900 | 3/29 | 66 | 22.2 | 20.8 | 20.8 |
| #Mosquito Ridge | 16A4 | 5110 | 4/1 | 114 | 44.0 | 37.8 | 40.2* |
| #Mosquito Ridge (SP) | 16A4 | 5110 | 4/1 | -- | 41.0 | -- | -- |
| Schweitzer Bowl | 16A6 | 4500 | 3/30 | 105 | 38.8 | 29.3 | -- |
| Schweitzer Ridge | 16A5 | 6100 | 3/30 | 140 | 55.5 | 40.2 | -- |

SPOKANE RIVER

| | | | | | | | |
|-----------------------|-------|------|------|-----|------|------|-------|
| Above Burke | 15B8 | 4100 | 3/27 | 81 | 34.0 | 23.2 | 25.0* |
| Above Roland | 15B7 | 4350 | 4/1 | 106 | 45.1 | 36.5 | 34.8* |
| Below Roland | 15B6 | 3770 | 4/1 | 50 | 20.9 | 19.9 | 17.0* |
| Copper Ridge | 16B2 | 4800 | 3/29 | 81 | 31.5 | 27.5 | 31.1 |
| #Forty-nine Meadows | 15B3 | 5000 | 4/1 | 118 | 46.0 | 30.2 | 36.1 |
| Fourth of July Summit | 16B3 | 3100 | 4/1 | 30 | 10.9 | 8.0 | 11.2* |
| Granite Peak | 15B13 | 6000 | 4/1 | 166 | 64.4 | 42.6 | 51.2* |
| Kellogg Peak | 16B5 | 5560 | 4/1 | 115 | 46.3 | 30.6 | 33.5* |
| Lookout | 15B2 | 5250 | 4/1 | 131 | 49.8 | 34.6 | 38.4 |
| Lower Sands Creek | 16B1 | 3400 | 3/29 | 66 | 24.6 | 20.6 | 21.0 |
| Medicine Ridge | 15B4 | 6150 | 4/1 | 150 | 55.1 | 42.8 | -- |
| Mosquito Ridge | 16A4 | 5110 | 4/1 | 114 | 44.0 | 37.8 | 40.2* |
| Mosquito Ridge (SP) | 16A4 | 5110 | 4/1 | -- | 41.0 | -- | -- |
| Outlaw Creek | 15B12 | 3750 | 4/1 | 70 | 26.1 | 15.1 | 17.8* |
| Roland Summit | 15B5 | 5200 | 4/1 | 126 | 53.0 | -- | 41.2* |
| Sherwin | 16C1 | 3200 | 3/31 | 43 | 14.7 | 11.4 | 16.6* |
| Sherwin (SP) | 16C1 | 3200 | 3/31 | -- | 17.2 | 11.1 | -- |
| Sunset | 15B9 | 5600 | 4/1 | 119 | 46.1 | 32.7 | 35.6* |

LOWER SNAKE RIVER BASINPALOUSE RIVER

| | | | | | | | |
|-----------------|------|------|------|----|------|------|-------|
| Crumarine Creek | 16C6 | 3340 | 4/1 | 12 | 4.1 | T | 4.1* |
| East Twin | 16C3 | 4050 | 4/1 | 18 | 6.8 | 7.5 | 12.5* |
| Howard Creek | 16C5 | 3450 | 3/31 | 3 | 1.2 | T | 1.6* |
| Moscow Mountain | 16C2 | 4400 | 4/1 | 57 | 21.0 | 18.6 | 18.4* |
| West Twin | 16C4 | 4250 | 3/31 | 24 | 8.4 | 8.6 | 10.2* |

CLEARWATER RIVER

| | | | | | | | |
|--------------|-------|------|------|----|------|------|------|
| Above Greer | 16C11 | 1240 | 4/1 | 0 | 0.0 | 0.0 | 0.0* |
| Buck Meadows | 15D5 | 5600 | 3/29 | 88 | 34.6 | 25.6 | -- |

(b) 1953-67, 15 year period. * Not located directly on this drainage. * Estimated 1953-67, 15 year Average. (A) Aerial observation; Water content estimated. (SP) Pressure Pillow snow-water equivalent. (R) Radioactive Cage snow-water equivalent.

SNOW

| DRAINAGE BASIN and SNOW COURSE | | | CURRENT INFORMATION | | | PAST RECORD | |
|--------------------------------|-------|-----------|---------------------|---------------------|------------------------|------------------------|----------------------|
| | | | DATE OF SURVEY | SNOW DEPTH (Inches) | WATER CONTENT (Inches) | WATER CONTENT (Inches) | |
| NAME | NO. | ELEVATION | | | | LAST YEAR | AVERAGE ^b |
| Cayuse Airstrip | 15C3 | 3700 | 4/1 | 33 | 12.8 | 8.0 | 10.4 |
| Coolwater Mountain | 15C7 | 6200 | 4/3 | 112 | 41.5 | 38.4 | 30.6* |
| Coolwater Mountain(R) | 15C7 | 6200 | 4/5 | -- | 38.6 | 38.2 | -- |
| Coolwater Mountain(SP) | 15C7 | 6200 | 4/3 | -- | 35.3 | 32.6 | -- |
| Copper Butte (A) | 15D10 | 6900 | 3/27 | 76 | 27.5 | 28.8 | -- |
| Cottonwood Butte | 16C16 | 5140 | 3/30 | 43 | 14.2 | 13.7 | -- |
| Crater Meadows | 15C9 | 6100 | 4/1 | 127 | 49.3 | 45.4 | 45.3* |
| Crooked Fork | 14C10 | 3800 | 3/24 | 44 | 17.3 | 11.4 | -- |
| Disgrace Butte (A) | 15D11 | 6600 | 3/29 | 74 | 27.4 | 24.3 | -- |
| Elk Butte | 16C15 | 5550 | 4/1 | 125 | 48.4 | 39.6 | 41.5* |
| Elk Mountain | 15D13 | 6900 | 3/29 | 139 | 52.0 | 35.1 | -- |
| Fish Lake Airstrip | 15C2 | 5000 | 4/3 | 136 | 54.8 | 40.2 | 40.9 |
| Forest | 16C9 | 4550 | 3/30 | 16 | 5.8 | 5.0 | 6.2* |
| Forty-nine Meadows | 15B3 | 5000 | 4/1 | 118 | 46.0 | 30.2 | 36.1 |
| Goat Lake | 14C9 | 6600 | 4/1 | 136 | 57.2 | 45.4 | 49.1* |
| #Granite Peak | 15B13 | 6000 | 4/1 | 166 | 64.4 | 42.6 | 51.2* |
| Greer Summit | 16C13 | 3000 | 4/1 | 0 | 0.0 | 0.0 | 0.0* |
| Hemlock Butte | 16C6 | 5500 | 3/25 | 154 | 62.5 | 51.2 | 52.1* |
| Hemlock Butte (SP) | 16C6 | 5500 | 3/25 | -- | 68.0 | 52.5 | -- |
| #Hoodoo Basin Mont. | 15C10 | 6000 | 3/30 | 157 | 67.8 | 47.8 | -- |
| #Hoodoo Basin (SP)Mont. | 15C10 | 6000 | 4/1 | -- | 68.3 | 48.1 | -- |
| #Hoodoo Creek Mont. | 15C1 | 5900 | 3/30 | 157 | 64.2 | 44.1 | 50.6 |
| Kit Carson Pasture | 14D3 | 5020 | 4/2 | 29 | 10.8 | 10.2 | 8.6 |
| Lolo Pass | 14C5 | 5230 | 3/24 | 96 | 35.9 | 30.4 | 33.8* |
| Lower Snowhaven | 16D7 | 5250 | 3/30 | 62 | 21.0 | 21.4 | -- |
| McCann | 16C8 | 4300 | 3/30 | 15 | 5.8 | 3.4 | 6.2* |
| Meadow Cr.Lookout (A) | 15D17 | 7000 | 3/29 | 104 | 38.5 | 26.4 | -- |
| #Medicine Ridge | 15B4 | 6150 | 4/1 | 150 | 55.1 | 42.8 | -- |
| Midway | 16C12 | 2200 | 4/1 | 0 | 0.0 | 0.0 | -- |
| Mill Site | 15D18 | 6700 | 3/29 | 100 | 34.0 | 26.0 | -- |
| Mountain Meadows | 15D6 | 6300 | 3/29 | 81 | 29.8 | 21.6 | -- |
| #Nez Perce Pass Mont. | 14D1 | 6575 | 4/2 | 57 | 21.2 | 18.8 | 16.8 |
| Orogrande Mountain | 15D4 | 7800 | 4/3 | 133 | 49.8 | 39.9 | 38.8* |
| Orogrande Mtn. (R) | 15D4 | 7800 | 4/5 | -- | 47.9 | 41.1 | -- |
| Pierce Ranger Station | 15C5 | 3170 | 4/1 | 32 | 11.8 | 3.5 | 10.3 |
| Powell Ranger Station | 14C6 | 4230 | 3/25 | 40 | 15.7 | 9.0 | 13.9* |
| Savage Pass | 14C4 | 6600 | 3/24 | 91 | 32.6 | 23.3 | 28.6 |
| Shanghai Summit | 15C4 | 4600 | 3/25 | 80 | 31.6 | 25.6 | 29.5* |
| Sweeney | 16C10 | 4435 | 3/30 | 17 | 6.0 | 5.7 | 6.5* |
| Upper Snowhaven | 16D4 | 5600 | 3/30 | 59 | 20.5 | 22.7 | -- |

SALMON RIVER

| | | | | | | | |
|-----------------------|-------|------|------|-----|------|------|-------|
| Big Creek Summit | 15E2 | 6600 | 3/29 | 135 | 49.0 | 42.4 | 36.6 |
| Borah (A) | 13E8 | 8250 | 4/2 | 29 | 7.8 | 6.2 | -- |
| #Boulder Creek | 16D1 | 5500 | 3/31 | 91 | 37.4 | 28.0 | 23.6 |
| Brundage Mountain | 16D6 | 7560 | 3/30 | 165 | 64.5 | 55.1 | -- |
| Chapman Creek | 16D2 | 4215 | 3/31 | 11 | 3.7 | 0.7 | 2.4* |
| #Deadwood Summit | 15E4 | 7000 | 3/28 | 179 | 72.0 | 50.2 | 46.1* |
| Doublespring Pass (A) | 13E25 | 8400 | 4/2 | 47 | 14.5 | 9.7 | -- |

(b) 1953-67, 15 year period. # Not located directly on this drainage. * Estimated 1953-67, 15 year Average. (A) Aerial observation. Water content estimated. (SP) Pressure Pillow snow-water equivalent. (R) Radioactive Gage snow-water equivalent.

SNOW

| DRAINAGE BASIN and SNOW COURSE | | | CURRENT INFORMATION | | | PAST RECORD | |
|--------------------------------|-------|-----------|---------------------|---------------------|------------------------|------------------------|----------------------|
| NAME | NO. | ELEVATION | DATE OF SURVEY | SNOW DEPTH (Inches) | WATER CONTENT (Inches) | WATER CONTENT (Inches) | |
| | | | | | | LAST YEAR | AVERAGE ^b |
| #Galena Summit | 14F12 | 8795 | 3/27 | 105 | 35.4 | 23.0 | 23.9 |
| #Gibbons Pass Mont. | 13D2 | 7100 | 3/24 | 83 | 31.5 | 24.3 | 23.0 |
| Johns Creek | 16D3 | 3805 | 3/31 | 6 | 0.5 | T | 0.8* |
| Keystone (A) | 14E6 | 7700 | 4/2 | 45 | 12.1 | 6.9 | -- |
| Leatherman Pass (A) | 13E24 | 9800 | 4/2 | 87 | 31.1 | 19.5 | -- |
| #Lemhi Pass Mont. | 13E1 | 7480 | 3/31 | 41 | 12.3 | 9.5 | 8.5 |
| #Lemhi Ridge Mont. | 13E23 | 8100 | 3/31 | 49 | 15.2 | 9.4 | -- |
| Mill Creek Summit | 14E1 | 8870 | 3/31 | 90 | 32.4 | 20.6 | 23.0* |
| Moose Creek | 13D16 | 6200 | 3/30 | 64 | 23.6 | 17.8 | 16.2 |
| Morgan Creek | 14E4 | 7580 | 3/28 | 61 | 19.5 | 13.9 | 14.7* |
| Redfish Lake | 14E2 | 6600 | 3/27 | 54 | 16.2 | 12.2 | -- |
| #Rock Flat Summit | 16E1 | 5200 | 3/29 | 74 | 26.5 | 19.4 | 18.2 |
| #Secesh Summit | 15D1 | 6600 | 4/1 | 132 | 52.6 | 37.8 | -- |
| #Squaw Flat (A) | 16E5 | 6230 | 4/1 | 104 | 42.1 | 31.1 | -- |
| #Squaw Meadow | 15D2 | 5800 | 4/1 | 130 | 52.7 | 39.6 | 38.7* |
| Twin Peaks (A) | 14E3 | 10300 | 4/2 | 99 | 35.6 | 23.9 | -- |
| Vienna Mine | 14F4 | 8900 | 4/3 | 131 | 54.0 | 36.9 | 37.0 |
| Whitebird Summit | 16D5 | 4390 | 3/31 | 30 | 9.8 | 3.0 | 5.9* |
| Williams Creek Summit | 14D4 | 7800 | 3/29 | 62 | 18.9 | 12.9 | 13.3 |

Lemhi River

| | | | | | | | |
|-----------------|-------|------|------|----|------|------|-------|
| Above Gilmore | 13E19 | 8200 | 3/30 | 49 | 14.1 | 11.1 | 10.5* |
| Aspen-Hall Pass | 13E21 | 8110 | 3/30 | 46 | 12.7 | 11.9 | -- |
| Copes Camp | 13E17 | 7500 | 3/29 | 41 | 10.7 | 8.1 | 8.4* |
| Hall Creek | 13E20 | 7560 | 3/30 | 28 | 7.5 | 7.6 | -- |
| Meadow Lake | 13E18 | 9100 | 3/30 | 76 | 27.2 | 19.8 | 20.4* |
| Schwartz Lake | 13E16 | 8500 | 3/29 | 56 | 17.3 | 13.4 | 12.9* |

SOIL MOISTURE

| STATION | | PROFILE (Inches) | | SOIL MOISTURE (Inches) | | | |
|-------------------------|-----------|------------------|----------|------------------------|-----------|-----------|-------------|
| NAME | ELEVATION | DEPTH | CAPACITY | DATE | THIS YEAR | LAST YEAR | 2 YEARS AGO |
| <u>SPOKANE RIVER</u> | | | | | | | |
| Fourth of July Summit | 3100 | 48 | 11.6 | 4/1 | 10.2 | 10.4 | 10.3 |
| Lookout | 5250 | 48 | 11.0 | 4/1 | 8.5 | 7.5 | 8.4 |
| <u>CLEARWATER RIVER</u> | | | | | | | |
| Brown | 3100 | 36 | 6.7 | 4/1 | 5.7 | 5.8 | 5.8 |
| Midway | 2200 | 36 | 6.1 | 4/1 | 5.1 | 5.1 | 5.0 |
| <u>SALMON RIVER</u> | | | | | | | |
| Mill Creek Summit | 8870 | 48 | 8.4 | 3/31 | 6.1 | 4.4 | 6.7 |
| <u>Lemhi River</u> | | | | | | | |
| Above Gilmore | 8200 | 60 | 5.4 | 3/30 | 2.8 | 2.4 | 4.2 |
| Meadow Lake | 9100 | 48 | 4.4 | 3/30 | 2.4 | 1.9 | 2.6 |

(b) 1953-67, 15 year period. * Not located directly on this drainage. * Estimated 1953-67, 15 year Average. (A) Aerial observation; Water content estimated. (SP) Pressure Pillow snow-water equivalent. (R) Radioactive Gage snow-water equivalent.

SNOW

| DRAINAGE BASIN and SNOW COURSE | | | CURRENT INFORMATION | | | PAST RECORD | |
|--------------------------------|-----|-----------|---------------------|---------------------|------------------------|------------------------|----------------------|
| | | | DATE OF SURVEY | SNOW DEPTH (Inches) | WATER CONTENT (Inches) | WATER CONTENT (Inches) | |
| NAME | NO. | ELEVATION | | | | LAST YEAR | AVERAGE ^b |

MIDDLE SNAKE RIVER BASIN - NORTHSIDE

LITTLE LOST RIVER

| | | | | | | | |
|---------------------|------|------|------|----|------|------|-------|
| Fairview Guard Sta. | 13E5 | 6750 | 3/31 | 17 | 5.8 | 5.4 | 4.3* |
| Lost Garfield | 13E3 | 6600 | 3/31 | 13 | 4.5 | 3.9 | 3.0* |
| Moonshine | 13E6 | 7450 | 3/31 | 50 | 15.5 | 11.0 | 13.0* |
| Sawmill Canyon | 13E4 | 6900 | 3/31 | 36 | 10.2 | 8.6 | 9.2* |
| Swauger Lake (A) | 13E9 | 9050 | 4/2 | 58 | 17.1 | 6.2 | -- |
| Wet Creek Summit | 13E7 | 7600 | 3/29 | 61 | 18.0 | 11.2 | 11.7* |

BIG LOST RIVER

| | | | | | | | |
|------------------------|-------|------|------|----|------|------|-------|
| Bear Canyon | 13F3 | 7920 | 4/2 | 79 | 28.8 | 17.5 | 18.0* |
| Cherry Creek Pass (A) | 13F13 | 8900 | 4/2 | 11 | 3.8 | 1.6 | -- |
| Copper Basin | 13F2 | 7650 | 4/2 | 47 | 15.8 | 8.2 | 9.6 |
| #Doublespring Pass (A) | 13E25 | 8400 | 4/2 | 47 | 14.5 | 9.7 | -- |
| Dry Fork | 13F20 | 7340 | 3/30 | 70 | 26.0 | 14.0 | -- |
| Fishpole Lake (A) | 13F8 | 9350 | 4/2 | 83 | 30.8 | 16.2 | -- |
| Grasshopper (A) | 13F7 | 8400 | 4/2 | 62 | 21.6 | 11.2 | -- |
| Iron Bog | 13F11 | 7650 | 3/30 | 65 | 22.7 | 11.2 | 14.0* |
| Leadbelt | 13F12 | 6800 | 3/30 | 46 | 14.6 | 6.5 | 9.1* |
| #Leatherman Pass (A) | 13E24 | 9800 | 4/2 | 87 | 31.1 | 19.5 | -- |
| Lost-Wood Divide (A) | 14F3 | 7900 | 4/2 | 93 | 34.4 | 24.3 | 23.2* |
| Mammoth Canyon (A) | 13F17 | 8300 | 4/2 | 24 | 8.1 | 7.5 | -- |
| North Fork Meadow (A) | 14F15 | 8150 | 4/2 | 55 | 20.1 | 14.3 | -- |
| Sage Creek (A) | 14E5 | 7800 | 4/2 | 37 | 11.7 | 6.1 | -- |
| Stickney Mill | 14F2 | 7500 | 4/2 | 44 | 14.4 | 8.4 | 9.3 |
| White Knob | 13F1 | 7700 | 4/1 | 45 | 14.2 | 8.6 | 8.9* |

FISH CREEK

| | | | | | | | |
|-----------------|-------|------|------|----|------|------|------|
| #Dry Fork | 13F20 | 7340 | 3/30 | 70 | 26.0 | 14.0 | -- |
| Iron Mine Creek | 13F10 | 6370 | 3/28 | 50 | 16.1 | 8.5 | 9.4* |
| Telfer Ranch | 13F6 | 6000 | 3/28 | 40 | 13.5 | 5.2 | 5.6* |

LITTLE WOOD RIVER

| | | | | | | | |
|--------------------|-------|------|------|----|------|------|-------|
| #Bear Canyon | 13F3 | 7920 | 4/2 | 79 | 28.8 | 17.5 | 18.0* |
| Garfield Rgr. Sta. | 13F4 | 6554 | 3/29 | 50 | 17.2 | 9.4 | 9.3 |
| Muldoon | 13F5 | 6300 | 3/29 | 37 | 12.0 | 7.8 | 6.5 |
| Porcupine (A) | 14F14 | 8350 | 4/2 | 83 | 30.3 | 18.4 | -- |
| Swede Peak | 13F9 | 7500 | 3/29 | 79 | 28.0 | 15.8 | 16.7* |

BIG WOOD RIVER

| | | | | | | | |
|-----------------------|-------|------|------|-----|------|------|-------|
| Camas Creeks Div. (A) | 15F9 | 5720 | 4/1 | 29 | 11.8 | 12.4 | -- |
| #Couch Summit | 14F10 | 6950 | 3/31 | 82 | 30.3 | 18.1 | 17.9* |
| Dollarhide Summit | 14F8 | 8620 | 3/25 | 103 | 38.1 | 23.6 | 26.5* |
| Galena | 14F1 | 7300 | 3/27 | 84 | 28.0 | 20.0 | 19.3 |
| Galena Summit | 14F12 | 8795 | 3/27 | 105 | 35.4 | 23.0 | 23.9 |

(b) 1953-67, 15 year period. * Not located directly on this drainage. * Estimated 1953-67, 15 year Average. (A) Aerial observation; Water content estimated. (SP) Pressure Pillow snow-water equivalent. (R) Radioactive Gage snow-water equivalent.

MIDDLE SNAKE RIVER BASIN NORTHSIDE



LEGEND

- Watershed Boundary
- - - Soil Conservation District Bdry.
- - - County Boundary
- ▲ Forecast Point
- Snow Course
- Snow Course and Snow Pressure Pillow
- Snow Pressure Pillow
- † Aerial Snow Depth Gage
- ▶ Soil Moisture Station
- ¶ Temperature Gage
- ⌋ Precipitation Gage
- ⚡ Radio Telemetry

INDEX to SNOW COURSES

| NO. | STATE | NAME | SEC. LAT. | TWP. OR AND | RGE. LONG. | ELEV. |
|-----|-------|------|--------------|-------------------|---------------|-------|
|-----|-------|------|--------------|-------------------|---------------|-------|

MIDDLE SNAKE RIVER BASIN NORTHSIDE

LITTLE LOST RIVER

| | | | | | | |
|---------|---|------------------------|----|-----|-----|------|
| 13E5M | I | Fairview Guard Station | 27 | 12N | 26E | 6750 |
| 13E3 | I | Lost-Garfield | 3 | 11N | 26E | 6600 |
| 13E6 | I | Moonshine | 31 | 13N | 26E | 7450 |
| 13E4 | I | Sawmill Canyon | 17 | 12N | 26E | 6900 |
| 13E9a | I | Swauger Lake | 26 | 9N | 24E | 9050 |
| 13E7MAP | I | Wet Creek Summit | 15 | 8N | 25E | 7600 |

BIG LOST RIVER

| | | | | | | |
|---------|---|---------------------|----|----|-----|------|
| 13F18p | I | Antelope Pass | 7 | 5N | 23E | 8800 |
| 13F3 | I | Bear Canyon | 26 | 5N | 21E | 7920 |
| 13F13a | I | Cherry Creek Pass | 7 | 5N | 23E | 8900 |
| 13F2A | I | Copper Basin | 24 | 6N | 21E | 7650 |
| 13F19p | I | Corral Creek Summit | 25 | 7N | 22E | 8550 |
| 13F20ap | I | Dry Fork | 23 | 3N | 23E | 7340 |
| 13F8a | I | Fishpole Lake | 28 | 4N | 22E | 9350 |
| 13F7a | I | Grasshopper | 15 | 4N | 22E | 8400 |
| 13F11 | I | Iron Bog | 23 | 4N | 22E | 7650 |
| 13F12 | I | Leadbelt | 34 | 4N | 23E | 6800 |
| 14F3A | I | Lost Wood Divide | 19 | 6N | 19E | 7900 |
| 13F17ap | I | Mammoth Canyon | 14 | 6N | 23E | 8300 |
| 14F15a | I | North Fork Meadow | 20 | 7N | 18E | 8150 |
| 14F6p | I | Park Creek | 18 | 6N | 19E | 7685 |
| 14E5ap | I | Sage Creek | 12 | 9N | 20E | 7800 |
| 13F14ap | I | Slickrock | 17 | 4N | 22E | 8640 |
| 14F2A | I | Stickney Mill | 9 | 6N | 19E | 7500 |
| 13F1 | I | White Knob | 25 | 7N | 23E | 7700 |

BIG WOOD RIVER

| | | | | | | |
|---------|---|------------------------|----|----|-----|------|
| 15F9a | I | Camas Creeks Divide | 11 | 2S | 9E | 5720 |
| 14F8AP | I | Dollarhide Summit | 16 | 3N | 15E | 8620 |
| 14F1M | I | Galena | 3 | 6N | 15E | 7300 |
| 14F12MP | I | Galena Summit | 33 | 7N | 15E | 8795 |
| 14F5 | I | Graham Ranch | 10 | 5N | 17E | 6200 |
| 14F7 | I | Mascot Mine | 8 | 4N | 20E | 7900 |
| 14F9 | I | Mount Baldy | 26 | 4N | 17E | 9000 |
| 14F11 | I | Soldier Ranger Station | 19 | 2N | 14E | 6100 |

LITTLE WOOD RIVER

| | | | | | | |
|--------|---|-------------------------|----|----|-----|------|
| 13F4M | I | Garfield Ranger Station | 11 | 3N | 21E | 6554 |
| 13F5 | I | Muldoon | 25 | 3N | 21E | 6300 |
| 14F13m | I | Niggerhead | 26 | 2N | 20E | 5450 |
| 14F14a | I | Porcupine | 30 | 4N | 20E | 8350 |
| 13F9A | I | Swede Peak | 4 | 3N | 21E | 7500 |

FISH CREEK

| | | | | | | |
|-------|---|-----------------|----|----|-----|------|
| 13F10 | I | Iron Mine Creek | 32 | 3N | 23E | 6370 |
| 13F6 | I | Telfer Ranch | 12 | 2N | 22E | 6000 |

| NO. | STATE | NAME | SEC. LAT. | TWP. OR AND | RGE. LONG. | ELEV. |
|-----|-------|------|--------------|-------------------|---------------|-------|
|-----|-------|------|--------------|-------------------|---------------|-------|

BOISE RIVER

| | | | | | | |
|---------|---|----------------------|----|----|-----|------|
| 15F4APS | I | Atlanta Summit | 23 | 5N | 10E | 7500 |
| 15F2M | I | Bad Bear | 35 | 7N | 6E | 5500 |
| 16F4 | I | Bogus Basin Road | 32 | 5N | 3E | 5360 |
| 16F5m | I | Bogus Basin Road | 36 | 5N | 2E | 4830 |
| 14F10A | I | Couch Summit | 9 | 2N | 14E | 6950 |
| 15F10a | I | Danskin | 17 | 1N | 7E | 5650 |
| 16F1 | I | Deadman Gulch | 29 | 7N | 4E | 5600 |
| 15E9AP | I | Jackson Peak | 7 | 8N | 9E | 7000 |
| 15F1MP | I | Moore's Creek Summit | 19 | 7N | 7E | 6100 |
| 15F6P | I | Prairie | 13 | 2N | 7E | 4900 |
| 15F3A | I | Road Creek | 5 | 5N | 8E | 5550 |
| 15F5APS | I | Trinity Mountain | 7 | 3N | 9E | 7780 |
| 15F11a | I | Willow Creek Cabin | 26 | 1N | 6E | 4710 |

CANYON CREEK

| | | | | | | |
|--------|---|-------------------|----|----|----|------|
| 15F7 | I | Bennett Mountain | 7 | 2S | 9E | 6650 |
| 15F8 | I | Dixie Hill | 13 | 2S | 8E | 5230 |
| 15F12a | I | Little Camas Flat | 21 | 1S | 9E | 4950 |
| 15F13a | I | Long Tom | 19 | 1S | 8E | 4550 |

PAYETTE RIVER

| | | | | | | |
|---------|---|-------------------------|----|-----|----|------|
| 16F2MPS | I | Bogus Basin | 16 | 5N | 3E | 6120 |
| 15E8 | I | Cozy Cove | 19 | 11N | 7E | 5900 |
| 15E3 | I | Crawford Ranger Station | 21 | 14N | 4E | 4800 |
| 15E10 | I | Deadwood Airstrip | 8 | 11N | 7E | 5440 |
| 15E7 | I | Deadwood Dam | 8 | 11N | 7E | 5290 |
| 15E4A | I | Deadwood Summit | 23 | 14N | 7E | 7000 |
| 16E7a | I | Greenfield Flat | 1 | 13N | 2E | 7370 |
| 16E4 | I | High Valley Summit | 9 | 10N | 2E | 5170 |
| 15E1 | I | Lake Fork | 3 | 18N | 4E | 6000 |
| 16E1 | I | Rock Flat Summit | 1 | 18N | 2E | 5200 |
| 15D1 | I | Secesh Summit | 34 | 22N | 4E | 6600 |
| 16F7 | I | Shafer Butte | 15 | 5N | 3E | 7480 |
| 15E5A | I | Silver Creek Ridge | 24 | 12N | 5E | 5700 |
| 15D2A | I | Squaw Meadow | 5 | 21N | 4E | 5800 |
| 16E3 | I | Tripod Summit | 17 | 11N | 3E | 5200 |

WEISER RIVER

| | | | | | | |
|-------|---|---------------|---------|-----|----|------|
| 16D1P | I | Boulder Creek | 15 | 20N | 1W | 5500 |
| 16E6a | I | Mica Ridge | 15 | 15N | 2E | 6800 |
| 16E2 | I | Placer Creek | 15 & 16 | 17N | 3W | 6000 |
| 16E5a | I | Squaw Flat | 32 | 17N | 2E | 6230 |

MANN CREEK

| | | | | | | |
|------|---|----------------------|----|-----|----|------|
| 16E9 | I | Mann Creek | 29 | 15N | 5W | 5980 |
| 16E8 | I | Sturgill Ridge | 28 | 15N | 5W | 6680 |
| 17E1 | I | Robinson Creek Ridge | 2 | 14N | 6W | 6220 |
| 17E2 | I | Thorson Cabin | 12 | 14N | 6W | 5320 |

LEGEND

Numbering System (example)

| | |
|--------|--|
| 10J7 | SNOW COURSE ONLY. |
| 10J7P | SNOW COURSE AND PRECIPITATION GAGE. |
| 10J7M | SNOW COURSE AND SOIL MOISTURE STATION. |
| 10J7A | SNOW COURSE AND AERIAL MARKER. |
| 10J7s | PRESSURE PILLOW ONLY. |
| 10J7S | SNOW COURSE AND PRESSURE PILLOW. |
| 10J7MA | SNOW COURSE, SOIL MOISTURE STATION AND AERIAL MARKER. |
| 10J7MP | SNOW COURSE, SOIL MOISTURE STATION AND PRECIPITATION GAGE. |
| 10J7m | SOIL MOISTURE STATION ONLY. |
| 10J7a | AERIAL MARKER ONLY. |
| 10J7p | STORAGE PRECIPITATION GAGE ONLY. |

SNOW

| DRAINAGE BASIN and SNOW COURSE | | | CURRENT INFORMATION | | | PAST RECORD | |
|--------------------------------|-------|-----------|---------------------|---------------------|------------------------|------------------------|----------------------|
| | | | DATE OF SURVEY | SNOW DEPTH (Inches) | WATER CONTENT (Inches) | WATER CONTENT (Inches) | |
| NAME | NO. | ELEVATION | | | | LAST YEAR | AVERAGE ^b |
| Graham Ranch | 14F5 | 6200 | 4/1 | 58 | 20.0 | 12.0 | 13.1 |
| #Lost Wood Divide (A) | 14F3 | 7900 | 4/2 | 93 | 34.4 | 24.3 | 23.2* |
| Mascot Mine | 14F7 | 7900 | 4/1 | 54 | 18.6 | 13.2 | 14.5 |
| Mount Baldy | 14F9 | 9000 | 4/1 | 85 | 27.8 | 17.4 | 20.7 |
| #Porcupine (A) | 14F14 | 8350 | 4/2 | 83 | 30.3 | 18.4 | -- |
| Soldier Rgr. Sta. | 14F11 | 6100 | 3/31 | 44 | 17.9 | 8.7 | 9.2 |
| #Vienna Mine | 14F4 | 8900 | 4/3 | 131 | 54.0 | 36.9 | 37.0 |

CANYON CREEK

| | | | | | | | |
|------------------------|-------|------|------|----|------|------|-------|
| Bennett Mountain | 15F7 | 6650 | 3/26 | 66 | 24.0 | 21.8 | 17.2* |
| #Camas Creeks Div. (A) | 15F9 | 5720 | 4/1 | 29 | 11.8 | 12.4 | -- |
| #Danskin (A) | 15F10 | 5650 | 4/1 | 51 | 18.6 | 18.3 | -- |
| Dixie Hill | 15F8 | 5230 | 3/26 | 6 | 3.1 | 0.0 | -- |
| Little Camas Flat | 15F12 | 4950 | 3/26 | 13 | 4.9 | 1.2 | -- |
| Long Tom (A) | 15F13 | 4550 | 4/1 | 0 | 0.0 | 0.0 | -- |
| #Willow Cr. Cabin (A) | 15F11 | 4710 | 4/1 | 0 | 0.0 | 0.0 | -- |

BOISE RIVER

| | | | | | | | |
|------------------------|-------|------|------|-----|------|------|-------|
| Atlanta Summit (A) | 15F4 | 7500 | 4/1 | 135 | 50.5 | 35.4 | 35.1* |
| Bad Bear | 15F2 | 5500 | 3/30 | 47 | 18.5 | 14.9 | 13.5* |
| #Bennett Mountain | 15F7 | 6650 | 3/26 | 66 | 24.0 | 21.8 | 17.2* |
| #Bogus Basin | 16F2 | 6120 | 3/31 | 98 | 38.7 | 30.5 | 22.6 |
| Bogus Basin Road | 16F4 | 5360 | 3/31 | 16 | 6.3 | 0.0 | 2.0* |
| #Camas Creeks Div. (A) | 15F9 | 5720 | 4/1 | 29 | 11.8 | 12.4 | -- |
| Couch Summit | 14F10 | 6950 | 3/31 | 82 | 30.3 | 18.1 | 17.9* |
| Danskin (A) | 15F10 | 5650 | 4/1 | 51 | 18.6 | 18.3 | -- |
| Deadman Gulch | 16F1 | 5600 | 4/2 | 63 | 22.9 | 16.8 | 15.1* |
| #Dixie Hill | 15F8 | 5230 | 3/26 | 6 | 3.1 | 0.0 | -- |
| #Dollarhide Summit | 14F8 | 8620 | 3/25 | 103 | 38.1 | 23.6 | 26.5* |
| Jackson Peak (A) | 15E9 | 7000 | 4/1 | 135 | 50.8 | 34.2 | 32.1* |
| #Little Camas Flat (A) | 15F12 | 4950 | 3/26 | 13 | 4.9 | 1.2 | -- |
| #Long Tom (A) | 15F13 | 4550 | 4/1 | 0 | 0.0 | 0.0 | -- |
| Moore's Creek Summit | 15F1 | 6100 | 3/30 | 123 | 46.3 | 35.6 | 31.9 |
| Prairie | 15F6 | 4900 | 3/28 | 22 | 8.0 | 1.6 | 2.1 |
| Road Creek (A) | 15F3 | 5550 | 4/1 | 42 | 16.5 | 9.8 | 9.2 |
| #Soldier Rgr. Sta. | 14F11 | 6100 | 3/31 | 44 | 17.9 | 8.7 | 9.2 |
| Trinity Mountain | 15F5 | 7780 | 4/1 | 159 | 63.5 | 44.4 | 43.3 |
| #Vienna Mine | 14F4 | 8900 | 4/3 | 131 | 54.0 | 36.9 | 37.0 |
| Willow Creek Cabin (A) | 15F11 | 4710 | 4/1 | 0 | 0.0 | 0.0 | -- |

PAYETTE RIVER

| | | | | | | | |
|--------------------|------|------|------|-----|------|------|-------|
| #Big Creek Summit | 15E2 | 6600 | 3/29 | 135 | 49.0 | 42.4 | 36.6 |
| Bogus Basin | 16F2 | 6120 | 3/31 | 98 | 38.7 | 30.5 | 22.6 |
| #Brundage Mountain | 16D6 | 7560 | 3/30 | 165 | 64.5 | 55.1 | -- |
| Cozy Cove | 15E8 | 5900 | 3/27 | 75 | 28.4 | 19.7 | 15.6 |
| Crawford Rgr. Sta. | 15E3 | 4800 | 3/29 | 34 | 14.4 | 7.0 | 6.7 |
| #Deadman Gulch | 16F1 | 5600 | 4/2 | 63 | 22.9 | 16.8 | 15.1* |

(b) 1953-67, 15 year period. * Not located directly on this drainage. • Estimated 1953-67, 15 year Average. (A) Aerial observation; Water content estimated. (SP) Pressure Pillow snow-water equivalent. (R) Radioactive Gage snow-water equivalent.

SNOW

| DRAINAGE BASIN and SNOW COURSE | | | CURRENT INFORMATION | | | PAST RECORD | |
|--------------------------------|-------|-----------|---------------------|---------------------|------------------------|------------------------|----------------------|
| | | | DATE OF SURVEY | SNOW DEPTH (Inches) | WATER CONTENT (Inches) | WATER CONTENT (Inches) | |
| NAME | NO. | ELEVATION | | | | LAST YEAR | AVERAGE ^b |
| Deadwood Airstrip | 15E10 | 5440 | 3/27 | 66 | 25.4 | 18.7 | 14.0* |
| Deadwood Dam | 15E7 | 5290 | 3/27 | 70 | 27.1 | 19.0 | 17.0 |
| Deadwood Summit | 15E4 | 7000 | 3/28 | 179 | 72.0 | 50.2 | 46.1* |
| Greenfield Flat (A) | 16E7 | 7370 | 4/1 | 161 | 64.7 | 50.2 | -- |
| High Valley Summit | 16E4 | 5170 | 3/26 | 50 | 17.4 | 14.0 | 10.6* |
| #Jackson Peak (A) | 15E9 | 7000 | 4/1 | 135 | 50.8 | 34.2 | 32.1* |
| Lake Fork | 15E1 | 6000 | 3/26 | 69 | 24.9 | 17.7 | 16.0 |
| #Mica Ridge (A) | 16E6 | 6800 | 4/1 | 144 | 52.3 | 40.0 | -- |
| Rock Flat Summit | 16E1 | 5200 | 3/29 | 74 | 26.5 | 19.4 | 18.2 |
| Secesh Summit | 15D1 | 6600 | 4/1 | 132 | 52.6 | 37.8 | -- |
| Silver Cr. Ridge (A) | 15E5 | 5700 | 4/1 | 75 | 26.8 | 16.4 | -- |
| #Squaw Flat (A) | 16E5 | 6230 | 4/1 | 104 | 42.1 | 31.1 | -- |
| Squaw Meadow | 15D2 | 5800 | 4/1 | 130 | 52.7 | 39.6 | 38.7* |
| Tripod Summit | 16E3 | 5200 | 3/26 | 83 | 31.0 | 23.3 | 17.6* |

WEISER RIVER

| | | | | | | | |
|----------------|------|------|------|-----|------|------|------|
| Boulder Creek | 16D1 | 5500 | 3/31 | 91 | 37.4 | 28.0 | 23.6 |
| Mica Ridge (A) | 16E6 | 6800 | 4/1 | 144 | 52.3 | 40.0 | -- |
| Placer Creek | 16E2 | 6000 | 3/30 | 76 | 25.4 | 24.1 | 16.8 |
| Squaw Flat (A) | 16E5 | 6230 | 4/1 | 104 | 42.1 | 31.1 | -- |

MANN CREEK

| | | | | | | | |
|----------------------|------|------|------|-----|------|------|----|
| Mann Creek | 16E9 | 5980 | 3/30 | 101 | 43.7 | 29.5 | -- |
| Robinson Creek Ridge | 17E1 | 6220 | 3/31 | 80 | 34.3 | 23.6 | -- |
| Sturgill Ridge | 16E8 | 6680 | 3/30 | 120 | 49.8 | 35.2 | -- |
| Thorson Cabin | 17E2 | 5320 | 3/31 | 50 | 17.9 | 15.8 | -- |

SOIL MOISTURE

| STATION | | PROFILE (Inches) | | SOIL MOISTURE (Inches) | | | |
|--------------------------|-----------|------------------|----------|------------------------|-----------|-------------------|-------------|
| | | DEPTH | CAPACITY | DATE | THIS YEAR | LAST YEAR | 2 YEARS AGO |
| NAME | ELEVATION | | | | | | |
| <u>LITTLE LOST RIVER</u> | | | | | | | |
| Fairview Guard Station | 5850 | 42 | 7.6 | 3/31 | 8.1 | 8.5 | 8.5 |
| Wet Creek Summit | 8175 | 48 | 17.1 | 3/29 | 13.0 | 12.4 ^m | 16.4 |
| <u>BIG WOOD RIVER</u> | | | | | | | |
| Galena | 7300 | 48 | 10.1 | 3/16 | 7.9 | 6.7 | 8.8 |
| Galena Summit | 8795 | 48 | 5.8 | 3/16 | Frozen | 1.8 | 4.8 |
| <u>BOISE RIVER</u> | | | | | | | |
| Bad Bear | 5500 | 72 | 6.3 | 3/16 | 5.7 | 5.4 | 6.0 |
| Bogus Basin Road | 4830 | 48 | 7.1 | 3/31 | 5.8 | 5.6 | 5.7 |
| m March Measurement | | | | | | | |

(b) 1953-67, 15 year period. * Not located directly on this drainage. * Estimated 1953-67, 15 year Average. (A) Aerial observation; Water content estimated. (SP) Pressure Pillow snow-water equivalent. (R) Radioactive Cage snow-water equivalent.

SNOW

| DRAINAGE BASIN and SNOW COURSE | | | CURRENT INFORMATION | | | PAST RECORD | |
|--------------------------------|-----|-----------|---------------------|---------------------|------------------------|------------------------|----------------------|
| | | | DATE OF SURVEY | SNOW DEPTH (Inches) | WATER CONTENT (Inches) | WATER CONTENT (Inches) | |
| NAME | NO. | ELEVATION | | | | LAST YEAR | AVERAGE ^b |

MIDDLE SNAKE RIVER BASIN - SOUTHSIDERAFT RIVER

| | | | | | | | |
|------------------------|------|------|------|----|------|------|-------|
| Boy Scout Camp | 13G2 | 7600 | 3/30 | 53 | 19.5 | 23.1 | 14.8* |
| Clear Creek Mdws. Utah | 13H2 | 9050 | 4/5 | 69 | 26.2 | 25.4 | 21.0* |
| Howell Canyon | 13G1 | 8000 | 3/30 | 89 | 35.0 | 33.1 | 24.1 |
| One Mile Smt. Utah | 13H1 | 7330 | 3/30 | 29 | 9.8 | 8.1 | 7.8* |
| Sheep Hollow | 13G5 | 6200 | 3/30 | 14 | 6.0 | 9.6 | 4.3* |
| Sublett | 12G8 | 6000 | 3/30 | 38 | 13.9 | 12.7 | 9.8 |
| Summit Springs | 12G9 | 6400 | 3/30 | 36 | 13.2 | 13.8 | 8.3* |

GOOSE CREEK

| | | | | | | | |
|---------------------|------|------|------|----|------|------|------|
| Badger Gulch | 14G3 | 6660 | 3/28 | 35 | 13.1 | 15.6 | 11.8 |
| Bostetter Rgr. Sta. | 14G1 | 7500 | 3/28 | 69 | 24.9 | 22.8 | 18.4 |
| Vi Pont | 13H3 | 7670 | 3/30 | 53 | 18.5 | 19.5 | -- |

SALMON FALLS CREEK

| | | | | | | | |
|-------------------------|-------|------|------|-------------|------|------|-------|
| #Bear Creek Nev. | 15H1 | 7800 | 3/27 | 75 | 27.5 | 22.6 | 19.1 |
| Cedar Creek | 14G5 | 7000 | 3/28 | 35 | 12.1 | 10.5 | 10.5* |
| Deadline | 14G4 | 6900 | 3/28 | 76 | 30.0 | 25.0 | 21.7* |
| #Fox Creek Nev. | 15H2 | 6800 | 3/27 | 33 | 12.8 | 11.0 | 8.9* |
| Goat Creek Nev. | 15H13 | 8800 | 3/28 | 72 | 27.2 | 19.5 | 18.3* |
| #Hummingbird Spgs. Nev. | 15H15 | 8945 | 3/28 | 93 | 35.8 | 25.8 | 22.0* |
| Magic Mountain | 14G2 | 6700 | 3/28 | 62 | 24.6 | 23.1 | 17.5 |
| #Pole Creek R.S. Nev. | 15H14 | 8330 | 3/28 | 73 | 27.8 | 22.2 | 19.7* |
| Red Point Nev. | 15H18 | 7940 | 3/28 | 45 | 17.2 | 12.7 | 10.2* |
| Shoshone Basin | 14G6 | 5740 | 3/28 | Under Water | | 2.7 | 2.5* |
| Wilson Creek | 15G2 | 7500 | 3/28 | 39 | 14.7 | 12.8 | 11.8* |

BRUNEAU RIVER

| | | | | | | | |
|------------------------|-------|------|------|----|------|------|-------|
| Bear Creek Nev. | 15H1 | 7800 | 3/27 | 75 | 27.5 | 22.6 | 19.1 |
| Fox Creek Nev. | 15H2 | 6800 | 3/27 | 33 | 12.8 | 11.0 | 8.9* |
| Hummingbird Spgs. Nev. | 15H15 | 8945 | 3/28 | 93 | 35.8 | 25.8 | 22.0* |
| Pole Creek R.S. Nev. | 15H14 | 8330 | 3/28 | 73 | 27.8 | 22.2 | 19.7* |
| #Seventy-six Cr. Nev. | 15H3 | 7100 | 3/27 | 41 | 13.2 | 15.4 | 10.9* |

OWYHEE RIVER

| | | | | | | | |
|------------------|-------|------|------|----|------|------|------|
| Antelope Ridge | 16G6 | 5900 | 3/29 | 21 | 7.7 | 6.2 | 4.0* |
| Battle Creek (A) | 16G9 | 5700 | 3/30 | 0 | 0.0 | 0.0 | -- |
| #Bear Creek Nev. | 15H1 | 7800 | 3/27 | 75 | 27.5 | 22.6 | 19.1 |
| Bull Basin (A) | 16G10 | 5600 | 3/30 | 0 | 0.0 | T | -- |
| #Fox Creek Nev. | 15H2 | 6800 | 3/27 | 33 | 12.8 | 11.0 | 8.9* |
| Hyde Pasture (A) | 16G5 | 5800 | 3/30 | 6 | 2.0 | 1.2 | -- |
| Mud Flat | 16G7 | 5500 | 3/29 | 14 | 4.8 | 4.9 | 4.2* |
| Red Canyon (A) | 16G11 | 6650 | 3/30 | 10 | 3.4 | 4.6 | -- |

(b) 1953-67, 15 year period. * Not located directly on this drainage. * Estimated 1953-67, 15 year Average. (A) Aerial observation; Water content estimated. (SP) Pressure Pillow snow-water equivalent. (R) Radioactive Gage snow-water equivalent.

SNOW

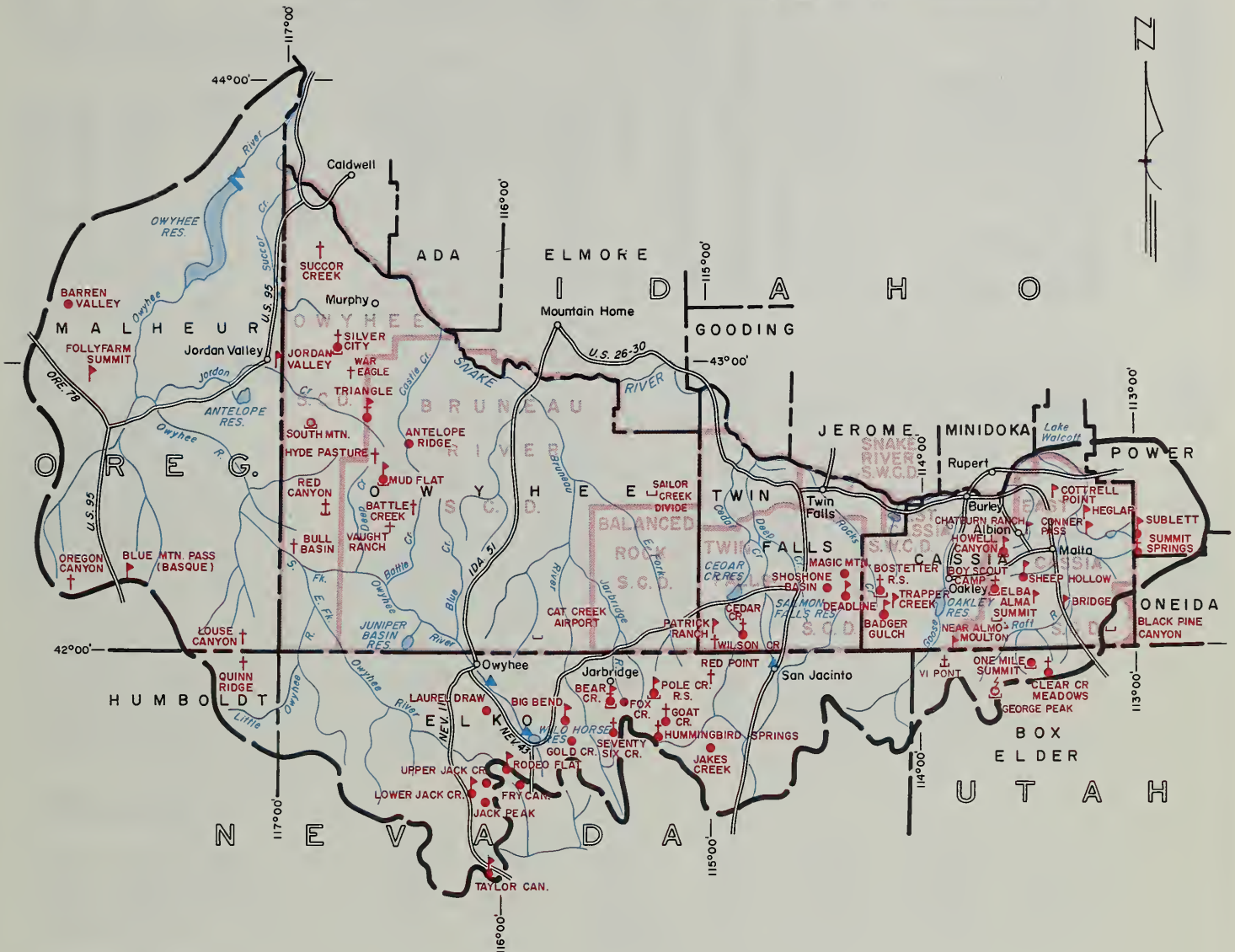
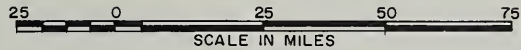
| DRAINAGE BASIN and SNOW COURSE | | | CURRENT INFORMATION | | | PAST RECORD | |
|--------------------------------|-------|-----------|---------------------|------------------------|---------------------------|------------------------|----------------------|
| | | | DATE OF SURVEY | SNOW DEPTH (Inches) | WATER CONTENT (Inches) | WATER CONTENT (Inches) | |
| NAME | NO. | ELEVATION | | | | LAST YEAR | AVERAGE ^b |
| #Seventy-six Cr. Nev. | 15H3 | 7100 | 3/27 | 41 | 13.2 | 15.4 | 10.9* |
| Silver City | 16F3 | 6400 | 3/28 | 54 | 20.2 | 15.0 | 14.4* |
| South Mountain | 16G1 | 6340 | 3/30 | 35 | 15.4 | 15.0 | 10.9 |
| Succor Creek (A) | 16F6 | 6100 | 3/30 | 10 | 3.4 | 3.9 | -- |
| Triangle (A) | 16G4 | 5150 | 3/30 | 0 | 0.0 | 0.0 | -- |
| Vaught Ranch (A) | 16G12 | 5950 | 3/30 | 0 | 0.0 | T | -- |
| War Eagle (A) | 16G13 | 7700 | 3/30 | 58 | 23.2 | 26.1 | -- |

SOIL MOISTURE

| STATION | | PROFILE (Inches) | | SOIL MOISTURE (Inches) | | | |
|---------------------------|-----------|------------------|----------|------------------------|-----------|-----------|-------------|
| | | DEPTH | CAPACITY | DATE | THIS YEAR | LAST YEAR | 2 YEARS AGO |
| NAME | ELEVATION | | | | | | |
| <u>RAFT RIVER</u> | | | | | | | |
| Conner Pass | 5700 | 36 | 9.8 | 3/25 | 9.2 | 9.2 | -- |
| Howell Canyon | 8000 | 48 | 11.5 | 3/30 | 9.9 | 7.2 | 8.1 |
| Sheep Hollow | 6200 | 36 | 7.5 | 3/30 | 6.6 | 6.2 | 6.5 |
| Sublett | 6000 | 36 | 7.0 | 3/30 | 6.3 | 6.0 | 7.8 |
| <u>GOOSE CREEK</u> | | | | | | | |
| Badger Gulch | 6660 | 36 | 7.0 | 3/28 | 7.0 | 6.4 | 6.3 |
| <u>SALMON FALLS CREEK</u> | | | | | | | |
| Deadline | 6900 | 36 | 7.4 | 3/28 | 7.4 | 6.6 | 7.2 |
| Patrick Ranch | 5720 | 36 | 7.7 | 3/28 | 6.9 | 6.6 | 6.8 |
| Pole Creek R. S. | 8330 | 48 | 9.7 | 3/28 | 9.0 | 4.6 | 6.1 |
| <u>BRUNEAU RIVER</u> | | | | | | | |
| Bear Creek | 7800 | 72 | 16.9 | 3/28 | 16.5 | 11.5 | 15.2 |
| <u>OWYHEE RIVER</u> | | | | | | | |
| Mud Flat | 5500 | 48 | 12.8 | 3/29 | 14.4 | 14.4 | 13.8 |

(b) 1953-67, 15 year period. * Not located directly on this drainage. * Estimated 1953-67, 15 year Average. (A) Aerial observation; Water content estimated. (SP) Pressure Pillow snow-water equivalent. (R) Radioactive Gage snow-water equivalent.

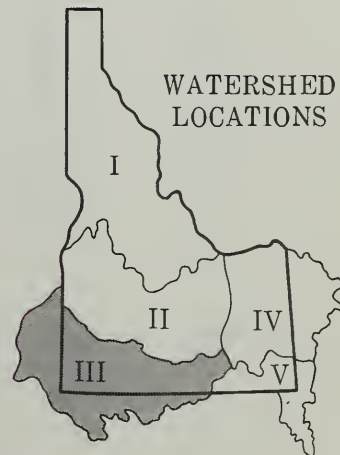
MIDDLE SNAKE RIVER BASIN SOUTHSIDE



LEGEND

- Watershed Boundary
- Soil Conservation District Bdry.
- County Boundary
- ▲ Forecast Point
- Snow Course
- Snow Course and Snow Pressure Pillow
- Snow Pressure Pillow
- † Aerial Snow Depth Gage
- ▶ Soil Moisture Station
- ⌒ Temperature Gage
- ⌒ Precipitation Gage
- ⚡ Radio Telemetry

WATERSHED LOCATIONS



INDEX to SNOW COURSES

| NO. | STATE | NAME | SEC. | TWP. | RGE. | ELEV. |
|-----|-------|------|------|-----------|-------|-------|
| | | | LAT. | OR AND | LONG. | |

MIDDLE SNAKE RIVER BASIN SOUTHSIDE

RAFT RIVER

| | | | | | | |
|--------|---|---------------------|----|-----|-----|------|
| 13G15p | I | Black Pine Canyon | 28 | 15S | 29E | 7100 |
| 13G2AP | I | Boy Scout Camp | 8 | 14S | 24E | 7600 |
| 13G11m | I | Bridge | 7 | 15S | 27E | 4750 |
| 13G13m | I | Chatburn Ranch | 4 | 12S | 25E | 4700 |
| 13H2A | U | Clear Creek Meadows | 26 | 14N | 14W | 9050 |
| 13G6m | I | Conner Pass | 35 | 12S | 25E | 5700 |
| 13G7m | I | Cottrell Point | 24 | 10S | 25E | 4490 |
| 13G10m | I | Elba-Almo Summit | 29 | 14S | 25E | 5690 |
| 13H4sp | U | George Peak | 4 | 13N | 14W | 9000 |
| 13G8m | I | Heglar | 19 | 11S | 28E | 4590 |
| 13G1MP | I | Howell Canyon | 2 | 13S | 24E | 8000 |
| 13G12m | I | Moulton | 27 | 16S | 23E | 5950 |
| 13G14p | I | Near Almo | 35 | 15S | 24E | 5200 |
| 13H1P | U | One Mile Summit | 19 | 14N | 14W | 7330 |
| 13G5M | I | Sheep Hollow | 4 | 14S | 24E | 6200 |
| 12G8M | I | Sublett | 8 | 12S | 30E | 6000 |
| 12G9A | I | Summit Springs | 15 | 13S | 30E | 5400 |

GOOSE - TRAPPER CREEK

| | | | | | | |
|--------|---|--------------------------|----|-----|-----|------|
| 14G3M | I | Badger Gulch | 24 | 15S | 19E | 6660 |
| 14G1AP | I | Bostetter Ranger Station | 35 | 14S | 19E | 7500 |
| 14G7m | I | Trapper Creek | 2 | 15S | 20E | 5300 |
| 13H3ap | U | Vi Pont | 17 | 14N | 17W | 7670 |

SALMON FALLS CREEK

| | | | | | | |
|--------|---|----------------|----|-----|-----|------|
| 14G5A | I | Cedar Creek | 25 | 15S | 13E | 000 |
| 14G4M | I | Deadline | 25 | 14S | 18E | 6900 |
| 15H13A | N | Goat Creek | 31 | 46N | 60E | 8800 |
| 14H1 | N | Jakes Creek | 6 | 42N | 62E | 7000 |
| 14G2 | I | Magic Mountain | 14 | 14S | 18E | 6700 |
| 15G1m | I | Patrick Ranch | 23 | 15S | 12E | 5720 |
| 15H18a | N | Red Point | 15 | 47N | 61E | 7940 |
| 14G6 | I | Shoshone Basin | 24 | 14S | 17E | 5740 |
| 15G2a | I | Wilson Creek | 24 | 16S | 12E | 7500 |

| NO. | STATE | NAME | SEC. | TWP. | RGE. | ELEV. |
|-----|-------|------|------|-----------|-------|-------|
| | | | LAT. | OR AND | LONG. | |

BRUNEAU RIVER

| | | | | | | |
|---------|---|---------------------------|----|-----|-----|------|
| 15H1MAP | N | Bear Creek | 31 | 46N | 58E | 7800 |
| 15G3p | I | Cat Creek Airport | 9 | 16S | 6E | 5700 |
| 15H2 | N | Fox Creek | 33 | 46N | 58E | 6800 |
| 15H15A | N | Hummingbird Springs | 6 | 45N | 60E | 8945 |
| 15H14MP | N | Pole Creek Ranger Station | 13 | 46N | 59E | 8330 |
| 15G4p | I | Sailor Creek Divide | 21 | 10S | 10E | 4350 |

OWYHEE RIVER

| | | | | | | |
|---------|---|-----------------------------|-----------|-----|-----|------|
| 16G6 | I | Antelope Ridge | 20 | 8S | 1E | 5900 |
| 18F5 | O | Barren Valley | 26 | 17S | 38E | 4200 |
| 16G9a | I | Battle Creek | 10 | 11S | 1E | 5700 |
| 15H4M | N | Big Bend | 30 | 45N | 56E | 6700 |
| 17G2m | O | Blue Mountain Pass (Basque) | 4 | 38S | 42E | 5290 |
| 16G10a | I | Bull Basin | 19 | 12S | 5W | 5600 |
| 18G3m | O | Folly Farm Summit | 8 | 30S | 38E | 4450 |
| 15H7 | N | Fry Canyon | 31 | 43N | 54E | 6700 |
| 15H5 | N | Gold Creek | 31 | 45N | 56E | 6600 |
| 16G5a | I | Hyde Pasture | SE 1/4 31 | 8S | 2W | 5800 |
| 16H4 | N | Jacks Peak | 28 | 42N | 53E | 8420 |
| 17G3m | O | Jordan Valley | 2 | 30S | 46E | 4390 |
| 16H5 | N | Laurel Draw | 20 | 45N | 53E | 6700 |
| 17G4a | O | Louse Canyon | 27 | 40S | 44E | 6440 |
| 16H1M | N | Lower Jack Creek | 18 | 42N | 53E | 6800 |
| 16G7MP | I | Mud Flat | 34 | 9S | 2W | 5500 |
| 17G5a | O | Oregon Canyon | 9 | 40S | 40E | 6950 |
| 17H6a | N | Quinn Ridge | 9 | 47N | 41E | 6300 |
| 16G11ap | I | Red Canyon | 32 | 11S | 4W | 6650 |
| 15H6M | N | Rodeo Flat | 36 | 43N | 53E | 6800 |
| 16F3AP | I | Silver City | 6 | 5S | 3W | 6400 |
| 16G1PS | I | South Mountain | 35 | 7S | 5W | 6340 |
| 16F6a | I | Succor Creek | 25 | 3S | 5W | 6100 |
| 15H9M | N | Taylor Canyon | 35 | 39N | 53E | 6200 |
| 16G4MA | I | Triangle | N 1/2 35 | 7S | 3W | 5150 |
| 16H2 | N | Upper Jack Creek | 9 | 42N | 53E | 7250 |
| 16G12a | I | Vaught Ranch | 10 | 11S | 1W | 5950 |
| 16G13a | I | War Eagle | 20 | 5S | 3W | 7700 |

LEGEND

Numbering System (example)

| | |
|--------|--|
| 10J7 | SNOW COURSE ONLY. |
| 10J7P | SNOW COURSE AND PRECIPITATION GAGE. |
| 10J7M | SNOW COURSE AND SOIL MOISTURE STATION. |
| 10J7A | SNOW COURSE AND AERIAL MARKER. |
| 10J7s | PRESSURE PILLOW ONLY. |
| 10J7S | SNOW COURSE AND PRESSURE PILLOW. |
| 10J7MA | SNOW COURSE, SOIL MOISTURE STATION AND AERIAL MARKER. |
| 10J7MP | SNOW COURSE, SOIL MOISTURE STATION AND PRECIPITATION GAGE. |
| 10J7m | SOIL MOISTURE STATION ONLY. |
| 10J7a | AERIAL MARKER ONLY. |
| 10J7p | STORAGE PRECIPITATION GAGE ONLY. |

SNOW

| DRAINAGE BASIN and SNOW COURSE | | | CURRENT INFORMATION | | | PAST RECORD | |
|--------------------------------|-----|-----------|---------------------|---------------------|------------------------|------------------------|----------------------|
| | | | DATE OF SURVEY | SNOW DEPTH (Inches) | WATER CONTENT (Inches) | WATER CONTENT (Inches) | |
| NAME | NO. | ELEVATION | | | | LAST YEAR | AVERAGE ^b |

UPPER SNAKE RIVER BASINCAMAS-BEAVER CREEKS

| | | | | | | | |
|-----------------|-------|------|------|----|------|------|------|
| Blue Ledge Mine | 11E11 | 6700 | 3/29 | 72 | 26.4 | 17.3 | 15.1 |
| Camp Creek | 12E3 | 6800 | 3/29 | 49 | 17.0 | 9.2 | 9.0 |
| Kilgore | 11E12 | 6200 | 3/29 | 47 | 18.2 | 14.3 | 8.9 |

MEDICINE LODGE CREEK

| | | | | | | | |
|--------------|------|------|------|----|-----|-----|------|
| Irving Creek | 12E4 | 7035 | 3/30 | 32 | 9.1 | 5.8 | 4.2* |
| Webber Creek | 12E5 | 6700 | 3/30 | 34 | 9.1 | 5.1 | 4.5* |

HENRYS FORK RIVER

| | | | | | | | |
|-------------------|-------|------|------|-----|------|------|-------|
| Big Springs | 11E9 | 6500 | 3/29 | 80 | 30.8 | 23.2 | 20.8 |
| Black Canyon | 11E18 | 7850 | 3/30 | 121 | 46.8 | 35.6 | 34.6* |
| Black Moose | 11E19 | 8125 | 3/30 | 136 | 54.0 | 39.2 | 40.4* |
| Grassy Lake Wyo. | 10E15 | 7230 | 3/30 | 125 | 51.0 | 38.8 | 34.3 |
| Island Park | 11E10 | 6315 | 3/29 | 68 | 25.2 | 19.4 | 15.6 |
| Latham Springs | 11E16 | 7650 | 3/30 | 116 | 46.6 | 33.6 | 33.5* |
| Lucky Dog | 11E14 | 6900 | 3/30 | 95 | 36.2 | 26.4 | 24.8* |
| Old Road | 11E15 | 7250 | 3/30 | 102 | 41.0 | 29.8 | 27.3* |
| Poacher's Cabin | 11E17 | 8000 | 3/30 | 107 | 45.4 | 30.6 | 33.6* |
| Sawtelle Mountain | 11E32 | 8715 | 3/29 | 123 | 48.6 | 34.8 | -- |
| Targhee Pass | 11E34 | 7000 | 3/29 | 66 | 23.1 | 15.6 | -- |
| Valley View | 11E8 | 6500 | 3/29 | 69 | 26.1 | 16.4 | 15.9 |

TETON RIVER

| | | | | | | | |
|-----------------|-------|------|------|-----|------|------|-------|
| Freds Mountain | 10F22 | 8000 | 3/31 | 101 | 39.2 | 29.9 | -- |
| Pine Creek Pass | 11F2 | 6750 | 3/31 | 60 | 22.7 | 22.2 | 17.3* |
| State Line | 11F1 | 6400 | 3/31 | 51 | 18.1 | 16.8 | 14.7 |

WILLOW CREEK

| | | | | | | | |
|-------------------|-------|------|------|----|------|------|----|
| Aspen Grove | 11F10 | 6600 | 3/30 | 45 | 15.5 | 13.5 | -- |
| Birch Creek | 11F3 | 6800 | 3/30 | 47 | 15.6 | 10.9 | -- |
| Bone | 11F8 | 6200 | 3/31 | 28 | 10.6 | 8.6 | -- |
| Ozone | 11F4 | 5800 | 3/31 | 0 | 0.0 | 0.0 | -- |
| Sheep Mountain II | 11F11 | 6510 | 3/31 | 53 | 19.6 | 15.4 | -- |
| Tex Creek | 11F5 | 6700 | 4/2 | 37 | 12.4 | 9.2 | -- |

SAND CREEK

| | | | | | | | |
|-----------------|------|------|------|----|------|------|----|
| Henry Creek | 11F6 | 5650 | 3/29 | 0 | 0.0 | 0.0 | -- |
| Taylor Mountain | 11F7 | 6500 | 3/29 | 31 | 11.6 | 10.8 | -- |

(b) 1953-67, 15 year period. * Not located directly on this drainage. * Estimated 1953-67, 15 year Average. (A) Aerial observation: Water content estimated. (SP) Pressure Pillow snow-water equivalent. (R) Radioactive Gage snow-water equivalent.

X

SNOW

| DRAINAGE BASIN and SNOW COURSE | | | CURRENT INFORMATION | | | PAST RECORD | |
|--------------------------------|-----|-----------|---------------------|---------------------|------------------------|------------------------|----------------------|
| | | | DATE OF SURVEY | SNOW DEPTH (Inches) | WATER CONTENT (Inches) | WATER CONTENT (Inches) | |
| NAME | NO. | ELEVATION | | | | LAST YEAR | AVERAGE ^b |

BLACKFOOT RIVER

| | | | | | | | |
|--------------------|------|------|------|----|------|------|-------|
| Austin Bros. Ranch | 11G3 | 6450 | 4/1 | 36 | 12.8 | 9.3 | 8.0* |
| China Hat | 11G2 | 6300 | 4/1 | 24 | 9.3 | 6.8 | 5.1 |
| Slug Creek Divide | 11G5 | 7225 | 3/31 | 65 | 24.7 | 16.4 | 15.4 |
| Somsen Ranch | 11G1 | 7000 | 4/1 | 58 | 20.9 | 15.7 | 11.6* |

PORTNEUF RIVER

| | | | | | | | |
|-------------------|-------|------|------|----|------|------|-------|
| Cove | 11G25 | 5525 | 3/30 | 14 | 5.7 | 0.0 | -- |
| Dempsey Creek | 12G5 | 6280 | 3/29 | 46 | 17.7 | 12.7 | 10.8* |
| Lower Pebble | 12G6 | 5800 | 3/30 | 50 | 17.2 | 11.8 | -- |
| Mink Creek | 12G1 | 6300 | 3/29 | 56 | 22.5 | 14.6 | 14.0 |
| Moser | 11G24 | 5950 | 3/30 | 28 | 10.0 | 7.4 | -- |
| North Bancroft #1 | 11G23 | 5460 | 3/30 | 0 | 0.0 | 0.0 | -- |
| North Bancroft #2 | 11G22 | 5430 | 3/30 | 0 | 0.0 | 0.0 | -- |
| Pebble Creek | 12G2 | 6550 | 3/30 | 54 | 20.6 | 16.1 | 13.4 |

SOIL MOISTURE

| STATION | | PROFILE (Inches) | | SOIL MOISTURE (Inches) | | | |
|--------------------------|-----------|------------------|----------|------------------------|-----------|-----------|-------------|
| | | DEPTH | CAPACITY | DATE | THIS YEAR | LAST YEAR | 2 YEARS AGO |
| NAME | ELEVATION | | | | | | |
| <u>HENRYS FORK RIVER</u> | | | | | | | |
| Island Park | 6315 | 48 | 9.9 | 3/29 | 8.4 | 7.8 | 9.2 |
| Valley View | 6500 | 48 | 13.3 | 3/29 | 7.2 | 12.6 | 11.0 |
| <u>TETON RIVER</u> | | | | | | | |
| Pine Creek Pass | 6750 | 48 | 13.3 | 3/31 | 12.2 | 12.1 | 14.7 |
| State Line | 6400 | 48 | 14.8 | 3/31 | 14.3 | 12.5 | 13.8 |
| Teton Pass | 8500 | 48 | 10.5 | 3/31 | 10.4 | 7.1 | 8.0 |
| <u>PORTNEUF RIVER</u> | | | | | | | |
| Lower Dempsey | 5210 | 48 | 18.7 | 3/29 | 21.0 | 21.0 | 20.2 |
| Lower Pebble | 5800 | 36 | 7.6 | 3/30 | 8.5 | 5.2 | 8.5 |
| Pebble Creek | 6550 | 48 | 7.2 | 3/30 | 6.5 | 4.7 | 6.5 |

(b) 1953-67, 15 year period. * Not located directly on this drainage. * Estimated 1953-67, 15 year Average. (A) Aerial observation: Water content estimated. (SP) Pressure Pillow snow-water equivalent. (R) Radioactive Gage snow-water equivalent.

UPPER SNAKE RIVER BASIN

25 0 25 50
SCALE IN MILES



LEGEND

- Watershed Boundary
- Soil Conservation District Bdry.
- County Boundary
- ▲ Forecast Point
- Snow Course
- Snow Course and Snow Pressure Pillow
- Snow Pressure Pillow
- † Aerial Snow Depth Gage
- ▶ Soil Moisture Station
- ⊥ Temperature Gage
- ⊥ Precipitation Gage
- ⚡ Radio Telemetry

WATERSHED LOCATIONS



INDEX to SNOW COURSES

| NO. | STATE | NAME | SEC. | TWP. | RGE. | ELEV. |
|-------------------------|-------|-----------------------|---------|-----------|-------|-------|
| | | | LAT. | OR AND | LONG. | |
| UPPER SNAKE RIVER BASIN | | | | | | |
| SNAKE RIVER - WYOMING | | | | | | |
| 10G4 | Wy | Afton Ranger Station | 30 | 32N | 118W | 6200 |
| 10F1 | Wy | Arizona | 3 | 46N | 115W | 6850 |
| 10E8 | Wy | Aster Creek | 44° 17' | 110° 38' | | 7700 |
| 10F2 | Wy | Base Camp | 20 | 46N | 113W | 6900 |
| 10F7 | Wy | Blackrock | 4 | 44N | 111W | 8600 |
| 10G2A | Wy | Blind Bull | 6 | 34N | 115W | 8750 |
| 10F14 | Wy | Bryan Flat | 9 | 38N | 115W | 6250 |
| 10G7 | Wy | CCC Camp | 9 | 29N | 118W | 7500 |
| 10G5A | Wy | Cottonwood Lake | 25 | 31N | 118W | 7500 |
| 10E10 | Wy | Coulter Creek | 44° 09' | 110° 33' | | 7600 |
| 10F17MP | Wy | East Rim Divide #2 | 32 | 37N | 111W | 7950 |
| 10F6 | Wy | Four Mile Meadows | 35 | 45N | 112W | 7770 |
| 10E13 | Wy | Glade Creek | 12 | 48N | 116W | 7200 |
| 10F18 | Wy | Greys Boundary | 33 | 37N | 118W | 5800 |
| 10F19 | Wy | Gros Ventre Summit | 36 | 40N | 111W | 8750 |
| 10G3 | Wy | Grover Park Divide | 27 | 33N | 118W | 7500 |
| 10E14 | Wy | Huckleberry Divide | 32 | 48N | 115W | 7300 |
| 10E9FS | Wy | Lewis Lake Divide | 44° 13' | 110° 40' | | 7900 |
| 10F4MP | Wy | Moran | 8 & 17 | 45N | 114W | 6800 |
| 10F3 | Wy | Moran Bay | 14 | 45N | 116W | 6800 |
| 10G6 | Wy | Poison Meadows | 29 | 30N | 116W | 8500 |
| 10G8P | Wy | Salt River Summit | 32 | 29N | 118W | 7900 |
| 10E12MP | Wy | Snake River Station | 9 | 48N | 115W | 6780 |
| 10F20M | Wy | Snow King Mountain #3 | 4 | 40N | 117W | 7600 |
| 10E7 | Wy | Thumb Divide | 44° 22' | 110° 35' | | 7900 |
| 10F9MP | Wy | Togwotee Pass | 29 | 44N | 110W | 9600 |
| 10F5 | Wy | Turpin Meadows | 14 | 45N | 112W | 6930 |
| 10G1A | Wy | Young's Ranch | 26 | 34N | 116W | 6530 |

| | | | | | | |
|-------------------|----|-------------------|----|-----|------|------|
| HENRYS FORK RIVER | | | | | | |
| 11E9 | I | Big Springs | 34 | 14N | 44E | 6500 |
| 11E18 | I | Black Canyon | 11 | 13N | 45E | 7850 |
| 11E19 | I | Black Moose | 33 | 14N | 45E | 8125 |
| 10E15 | Wy | Grassy Lake | 6 | 48N | 117W | 7230 |
| 11E10M | I | Island Park | 29 | 13N | 43E | 6315 |
| 11E16 | I | Latham Springs | 9 | 13N | 45E | 7650 |
| 11E14 | I | Lucky Dog | 2 | 13N | 45E | 6900 |
| 11E15 | I | Old Road | 12 | 13N | 44E | 7250 |
| 11E17 | I | Poacher's Cabin | 11 | 13N | 45E | 8000 |
| 11E32 | I | Sawtelle Mountain | 7 | 14N | 43E | 8715 |
| 11E34 | I | Targhee Pass | 32 | 16N | 44E | 7000 |
| 11E8M | I | Valley View | 7 | 15N | 44E | 6500 |

| | | | | | | |
|----------------------|----|-----------------------|----|-----|------|------|
| TETON RIVER | | | | | | |
| 10F21a | Wy | Darby Canyon | 28 | 43N | 118W | 8250 |
| 10F22 | Wy | Freds Mountain | 12 | 44N | 118W | 8000 |
| 11F2M | I | Pine Creek Pass | 24 | 3N | 44E | 6750 |
| 11F1M | I | State Line | 32 | 3N | 46E | 6400 |
| 10F13M | Wy | Teton Pass | 24 | 41N | 118W | 8500 |
| CAMAS - BEAVER CREEK | | | | | | |
| 11E11 | I | Blue Ledge Mine | 27 | 13N | 38E | 6700 |
| 12E3 | I | Camp Creek | 21 | 13N | 36E | 6800 |
| 11E12 | I | Kilgore | 6 | 12N | 39E | 6200 |
| MEDICINE LODGE CREEK | | | | | | |
| 12E4 | I | Irving Creek | 20 | 13N | 33E | 7035 |
| 12E5 | I | Webber Creek | 23 | 12N | 32E | 6700 |
| WILLOW CREEK | | | | | | |
| 11F10 | I | Aspen Grove | 35 | 2N | 41E | 6600 |
| 11F3 | I | Birch Creek | 36 | 2N | 41E | 6800 |
| 11F8 | I | Bone | 29 | 1S | 40E | 6200 |
| 11F4 | I | Ozone | 14 | 1N | 39E | 5800 |
| 11F9 | I | Sheep Mountain I | 33 | 2S | 41E | 6450 |
| 11F11 | I | Sheep Mountain II | 33 | 2S | 41E | 6510 |
| 11F5 | I | Tex Creek | 6 | 1S | 42E | 6700 |
| SAND CREEK | | | | | | |
| 11F6 | I | Henry Creek | 7 | 1S | 39E | 5650 |
| 11F7 | I | Taylor Mountain | 19 | 1S | 39E | 6500 |
| BLACKFOOT RIVER | | | | | | |
| 11G3 | I | Austin Brothers Ranch | 28 | 7S | 43E | 6450 |
| 11G2M | I | China Hat | 17 | 7S | 42E | 6300 |
| 11G5P | I | Slug Creek Divide | 15 | 10S | 44E | 7225 |
| 11G1M | I | Somsen Ranch | 25 | 5S | 43E | 7000 |
| PORTNEUF RIVER | | | | | | |
| 11G25 | I | Cove | 21 | 9S | 39E | 5525 |
| 12G5 | I | Dempsey Creek | 17 | 10S | 38E | 6280 |
| 12G6M | I | Lower Pebble | 7 | 8S | 38E | 5800 |
| 12G1 | I | Mink Creek | 33 | 7S | 34E | 6300 |
| 11G24 | I | Moser | 20 | 8S | 39E | 5950 |
| 11G23 | I | North Bancroft #1 | 15 | 8S | 39E | 5460 |
| 11G22 | I | North Bancroft #2 | 27 | 7S | 39E | 5430 |
| 12G2M | I | Pebble Creek | 34 | 7S | 37E | 6550 |

LEGEND

Numbering System (example)

| | |
|--------|--|
| 10J7 | SNOW COURSE ONLY. |
| 10J7P | SNOW COURSE AND PRECIPITATION GAGE. |
| 10J7M | SNOW COURSE AND SOIL MOISTURE STATION. |
| 10J7A | SNOW COURSE AND AERIAL MARKER. |
| 10J7s | PRESSURE PILLOW ONLY. |
| 10J7S | SNOW COURSE AND PRESSURE PILLOW. |
| 10J7MA | SNOW COURSE, SOIL MOISTURE STATION AND AERIAL MARKER. |
| 10J7MP | SNOW COURSE, SOIL MOISTURE STATION AND PRECIPITATION GAGE. |
| 10J7m | SOIL MOISTURE STATION ONLY. |
| 10J7a | AERIAL MARKER ONLY. |
| 10J7p | STORAGE PRECIPITATION GAGE ONLY. |

SNOW

| DRAINAGE BASIN and SNOW COURSE | | | CURRENT INFORMATION | | | PAST RECORD | |
|--------------------------------|-----|-----------|---------------------|---------------------|------------------------|------------------------|----------------------|
| NAME | NO. | ELEVATION | DATE OF SURVEY | SNOW DEPTH (Inches) | WATER CONTENT (Inches) | WATER CONTENT (Inches) | |
| | | | | | | LAST YEAR | AVERAGE ^b |

GREAT BASIN

BEAR RIVER

| | | | | | | | |
|-------------------|------|------|------|----|------|------|------|
| Emigrant Summit | 11G6 | 7350 | 3/31 | 97 | 38.2 | 25.0 | 22.9 |
| Emigration Canyon | 11G7 | 6500 | 3/31 | 44 | 17.2 | 11.6 | 9.6 |

Montpelier Creek

| | | | | | | | |
|-------------------|-------|------|------|-----|------|------|-------|
| Giveout | 11G16 | 6840 | 3/29 | 53 | 18.6 | 11.5 | 12.6* |
| Little Beaver | 11G20 | 6970 | 3/29 | 63 | 22.7 | 14.1 | 15.6* |
| Lower Home Canyon | 11G27 | 7500 | 3/30 | 63 | 22.6 | 14.4 | -- |
| Montpelier Creek | 11G18 | 6570 | 3/29 | 35 | 11.8 | 8.1 | 8.0* |
| Upper Home Canyon | 11G26 | 8500 | 3/30 | 103 | 40.6 | 26.0 | -- |
| Whiskey Flat | 11G21 | 6985 | 3/29 | 44 | 14.9 | 7.2 | 8.9* |

Mink Creek

| | | | | | | | |
|------------------------|-------|------|------|-----|------|------|-------|
| Christensen Ranch | 11G11 | 5600 | 3/30 | 27 | 10.0 | 5.8 | 7.2* |
| Dry Basin (A) | 11G14 | 7900 | 3/27 | 123 | 50.4 | 31.8 | -- |
| #Emigrant Summit | 11G6 | 7350 | 3/31 | 97 | 38.2 | 25.0 | 22.9 |
| Horseshoe Basin (A) | 11G15 | 8000 | 3/27 | 114 | 46.7 | 26.4 | -- |
| Liberty Spring | 11G13 | 8600 | 4/2 | 150 | 61.5 | 37.5 | 36.2* |
| Strawberry Creek | 11G9 | 5800 | 3/30 | 37 | 12.8 | 7.1 | 10.1* |
| Strawberry Mink Divide | 11G10 | 6800 | 3/30 | 79 | 32.0 | 19.1 | 20.1* |

Cub River

| | | | | | | | |
|-----------------|-------|------|------|-----|------|------|-------|
| Cub River R. S. | 11G12 | 5400 | 3/31 | 24 | 7.6 | 5.8 | 6.4* |
| #Franklin Basin | 11G8 | 8000 | 3/30 | 116 | 44.5 | 28.2 | 26.8 |
| Willow Flat | 11G4 | 6100 | 3/31 | 52 | 19.1 | 12.4 | 13.4* |

MALAD RIVER

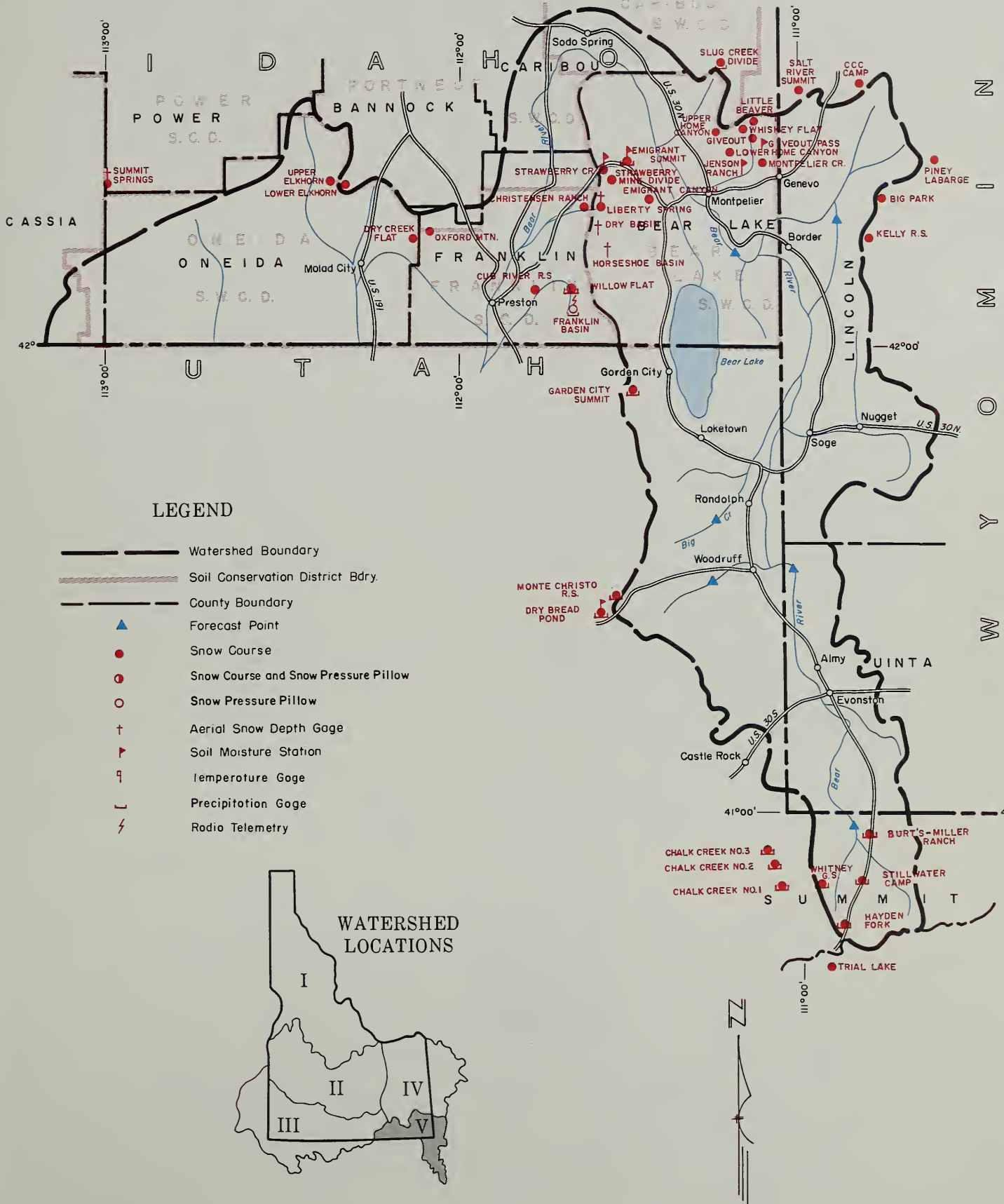
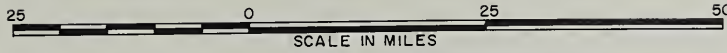
| | | | | | | | |
|-----------------|-------|------|------|----|------|------|------|
| Dry Creek Flat | 12G4 | 6350 | 3/26 | 24 | 9.8 | 0.0 | 3.7* |
| Cliff Canyon | 12G13 | 7200 | 3/29 | 42 | 14.9 | 7.4 | -- |
| Daniels Creek | 12G12 | 6400 | 3/29 | 20 | 6.9 | 0.0 | -- |
| Lower Elkhorn | 12G11 | 6850 | 3/26 | 46 | 17.4 | 15.2 | -- |
| Oxford Mountain | 12G3 | 6800 | 3/26 | 34 | 12.2 | 8.5 | 7.7* |
| Upper Elkhorn | 12G10 | 7100 | 3/26 | 67 | 24.2 | 21.6 | -- |

SOIL MOISTURE

| STATION | | PROFILE (Inches) | | SOIL MOISTURE (Inches) | | | |
|-------------------------|-----------|------------------|----------|------------------------|-----------|-----------|-------------|
| NAME | ELEVATION | DEPTH | CAPACITY | DATE | THIS YEAR | LAST YEAR | 2 YEARS AGO |
| BEAR RIVER | | | | | | | |
| Emigrant Summit | 7350 | 36 | 8.2 | 3/31 | 6.8 | 6.4 | 5.6 |
| Strawberry Creek | 5800 | 48 | 12.7 | 3/31 | 12.6 | 8.2 | 12.3 |
| Montpelier Creek | | | | | | | |
| Giveout Pass | 7025 | 36 | 9.4 | 3/29 | 7.8 | 4.2 | 5.9 |
| Jenson Ranch | 6580 | 48 | 18.7 | 3/29 | 8.3 | 10.8 | -- |

(b) 1953-67, 15 year period. * Not located directly on this drainage. * Estimated 1953-67, 15 year Average. (A) Aerial observation; Water content estimated. (SP) Pressure Pillow snow-water equivalent. (R) Radioactive Gage snow-water equivalent.

GREAT BASIN



INDEX to SNOW COURSES

| NO. | STATE | NAME | SEC. | TWP. | RGE. | ELEV. |
|-----|-------|------|------|-----------|-------|-------|
| | | | LAT. | OR AND | LONG. | |

GREAT BASIN

BEAR RIVER

| | | | | | | |
|---------|----|---------------------------|----|-----|------|------|
| 10G11 | Wy | Big Park | 7 | 27N | 117W | 8700 |
| 11H13MP | U | Dry Bread Pond | 19 | 8N | 4E | 8230 |
| 11G7 | I | Emigration Canyon (mouth) | 24 | 12S | 42E | 6500 |
| 11H7P | U | Garden City Summit | 35 | 14N | 4E | 7600 |
| 10J6P | U | Burt's-Miller Ranch | 19 | 3N | 10E | 7900 |
| 10J7P | U | Hayden Fork | 1 | 1S | 9E | 9300 |
| 10G12 | Wy | Kelly Ranger Station | 13 | 26N | 118W | 8200 |
| 11H12P | U | Monte Cristo R. S. | 3 | 8N | 4E | 8960 |
| 10G10 | Wy | Piney LaBarge | 19 | 29N | 114W | 8820 |
| 10J17P | U | Stillwater Camp | 32 | 2N | 10E | 8550 |
| 10J28P | U | Whitney G. S. | 4 | 1N | 9E | 9300 |

MONTPELIER CREEK

| | | | | | | |
|--------|---|-------------------|----|-----|-----|------|
| 11G16 | I | Giveout | 35 | 11S | 45E | 6840 |
| 11G17m | I | Giveout Pass | 2 | 12S | 45E | 7025 |
| 11G19m | I | Jenson Ranch | 15 | 12S | 45E | 6580 |
| 11G20 | I | Little Beaver | 26 | 11S | 45E | 6970 |
| 11G27 | I | Lower Home Canyon | 17 | 12S | 45E | 7500 |
| 11G18 | I | Montpelier Creek | 22 | 12S | 45E | 6570 |
| 11G26 | I | Upper Home Canyon | 31 | 11S | 45E | 8500 |
| 11G21 | I | Whiskey Flat | 26 | 11S | 45E | 6985 |

MINK CREEK

| | | | | | | |
|--------|---|------------------------|----|-----|-----|------|
| 11G11 | I | Christensen Ranch | 27 | 13S | 41E | 5600 |
| 11G14a | I | Dry Basin | 30 | 13S | 42E | 7900 |
| 11G6MP | I | Emigrant Summit | 21 | 12S | 42E | 7350 |
| 11G15a | I | Horseshoe Basin | 31 | 13S | 42E | 8000 |
| 11G13A | I | Liberty Spring | 7 | 13S | 42E | 8600 |
| 11G9M | I | Strawberry Creek | 9 | 13S | 41E | 5800 |
| 11G10 | I | Strawberry Mink Divide | 14 | 13S | 41E | 6800 |

CUB RIVER

| | | | | | | |
|-------|---|--------------------------|---|-----|-----|------|
| 11G12 | I | Cub River Ranger Station | 5 | 15S | 41E | 5400 |
| 11G8S | I | Franklin Basin | 1 | 16S | 41E | 8000 |
| 11G4P | I | Willow Flat | 2 | 15S | 41E | 6100 |

MALAD RIVER

| | | | | | | |
|-------|---|-----------------|----|-----|-----|------|
| 12G4 | I | Dry Creek Flat | 31 | 13S | 37E | 6350 |
| 12G11 | I | Lower Elkhorn | 30 | 12S | 36E | 6850 |
| 12G3 | I | Oxford Mountain | 32 | 13S | 37E | 6800 |
| 12G10 | I | Upper Elkhorn | 25 | 12S | 35E | 7100 |

LEGEND

Numbering System (example)

| | |
|--------|--|
| 10J7 | SNOW COURSE ONLY. |
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| 10J7s | PRESSURE PILLOW ONLY. |
| 10J7S | SNOW COURSE AND PRESSURE PILLOW. |
| 10J7MA | SNOW COURSE, SOIL MOISTURE STATION AND AERIAL MARKER. |
| 10J7MP | SNOW COURSE, SOIL MOISTURE STATION AND PRECIPITATION GAGE. |
| 10J7m | SOIL MOISTURE STATION ONLY |
| 10J7a | AERIAL MARKER ONLY. |
| 10J7p | STORAGE PRECIPITATION GAGE ONLY. |

Agencies and Organizations Cooperating in Idaho Snow Surveys

GOVERNMENT AGENCIES

Canada:

Department of Lands, Forests, and
Water Resources, British Columbia
Department of Resources and Development,
Water Resources Division

States:

Idaho State Department of Water Administration
State of Idaho Department of Fish and Game
University of Idaho
Idaho State University
Montana Agricultural Experiment Station
Montana State Water Conservation Board
Nevada Cooperative Snow Surveys
Oregon Agricultural Experiment Station
Oregon Cooperative Snow Surveys
Oregon State Engineer and Corps of
State Watermasters
Utah Cooperative Snow Surveys
Wyoming Cooperative Snow Surveys

Federal:

U. S. Army Engineers
U. S. Department of Agriculture
Forest Service
Agricultural Research Service
U. S. Department of Commerce
Environmental Sciences Service Administration,
Weather Bureau
U. S. Department of the Interior
Bonneville Power Administration
Bureau of Reclamation
Fish and Wildlife Service
Water Resources Division, Geological Survey
Indian Service
National Park Service
Bureau of Land Management

PUBLIC UTILITIES

The Montana Power Company
Washington Water Power Company
Idaho Power Company
Utah Power and Light Company

ORGANIZED PUBLIC AGENCIES

Big Lost River Irrigation District
Boise Project Board of Control
Little Wood River Irrigation District
Jordan Valley Irrigation District
Salmon Falls Creek Irrigation Company
Twin Falls Soil Conservation District
Twin Lakes Irrigation Company
Big Wood Irrigation Company
Owyhee Project - North & South Board of Control

PRIVATE CORPORATIONS

Amalgamated Sugar Company

*Other organizations and individuals furnish valuable information for
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